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The
**MEYER-STISSER
COMPANY**



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**M. & S.
Garden Book**

SIXTH ANNUAL EDITION

Farm, Garden, Floral and
Poultry Guide

**32 LIGHT STREET
BALTIMORE, MD.**

Sixth Annual Edition The Meyer-Stisser Co.'s Garden Book for 1916

We Take This Opportunity

of thanking our many customers for their generous patronage in the past, and to assure them that we will continue to do all in our power to merit a continuance of their confidence. Our organization and equipment are such that orders can be executed rapidly, and we aim to give every order, no matter how small or how large, prompt and careful attention. Our whole efforts and time are unfailingly devoted to uphold the reputation which we have established, and we shall ever be on the alert to support our motto, "Punctuality, Sterling Quality, Courteous Treatment."

PLEASE READ!

We aim to give our customers the best service possible. If we make an error, tell us about it and we'll make it right to your satisfaction. If there is any information you want in our line of business, write us, (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts, who are able to answer intelligently almost all inquiries pertaining to horticulture or agriculture. Always write inquiries on a sheet separate from your order: it means quicker reply.

THE ATTENTION OF OUR CUSTOMERS IS RESPECTFULLY CALLED TO THE FOLLOWING DIRECTIONS, WHICH WILL, IF FOLLOWED, BE AN AID TO PURCHASERS AS WELL AS OURSELVES:

BUSINESS RULES

Ordering, Remitting, Accounts, Forwarding, Etc.

Please Order Early, thus enabling us to forward promptly—as a rule the day after the order is received. During the March and April rush we may fall a day or two behind; if any greater delay is likely, we will advise.

The Order Blanks accompanying this catalogue will be convenient for customers and facilitate our filling orders (extra ones mailed on request).

Remittances should be made by Express Money Order, P. O. Money Order, Bank Draft or Registered Letter.

Accounts—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore reference preferred on account of the shorter delay pending investigation.

We Forward as Customer Directs, by mail, express, freight or steamer. When no shipping instructions are given we send according to our judgment.

We Make No Charge for Shipping and Carting of goods to any railroad station, steamship line or express office in Baltimore.

Correspondence in the German Language—For the convenience of our customers who would prefer their native language, we are pleased to announce that we are prepared to correspond in German.

(Hier wird deutsch gesprochen.)



C. & P. Phone, St. Paul 6916.

Order by Telephone—We have installed a most modern system, enabling our customers to receive instant attention. A special staff of experienced salespeople are reserved exclusively for the telephone service, so that our patrons may enjoy intelligent shopping from their homes.

We Cannot Guarantee the Well-doing of any seeds, plants or bulbs we send out. We use every effort possible in the selection of our seeds, and feel justified in saying that all our seeds are the purest and best to be found, but at the same time, there being so many things beyond the control of man that spoil the best seeds and cause poor crops, that it is impossible to guarantee seeds. Therefore, The Meyer-Stisser Company give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they must be returned at once.

When seeds are ordered by mail, postage must be added to catalogue prices at the regular parcel post rate, according to the zone the purchaser is in. One quart of Peas and Beans, weighing about 2 lbs. each, and Corn about 1½ lbs. Packages and ounces are mailed postpaid.

REMEDIES AND INSECTICIDES IN LIQUID FORM AND POISONS CANNOT BE SENT BY PARCEL POST.

Prices of seed vary. We quote Market Values upon request and always give our customers the benefit of the lowest price that the market condition will warrant. Special prices on a general list will be given upon application.

Invitation

All customers and others interested in horticulture or agriculture are cordially invited to visit our establishment, 32 Light Street. Whenever in Baltimore make this store your headquarters and have all letters and telegrams addressed here.

SPECIAL NOTICE—Positions For Gardeners, Etc.

Our house makes it their business to procure positions for Gardeners, Superintendents, Poultrymen, Farmers and Florists on private or commercial places. Gentlemen wishing to engage the services of men in the above capacity are invited to communicate with us, as we generally have applications on file from desirable parties. Absolutely no obligation is connected with this service.

M. & S. Reliable and Tested Vegetable Seeds

ASPARAGUS—Seeds and Roots

(Ger. Spargel)

One ounce to forty feet of drill. 5 lbs. per acre.

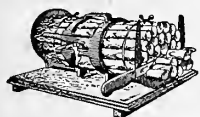
Culture—Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow eighteen inches between the rows; set the plants from four to six inches below the surface. If set out in autumn, top-dress with six inches of manure. For market, on a large scale, set out four by one and one-half feet. On the approach of winter cover with manure or compost; fork the beds early in the spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or paris green.

Giant Argenteuil—A new and entirely distinct variety that produces shoots that are white and remain white as long as fit for use. Pkg. 5c and 10c, oz. 15c, ¼ lb. 25c, lb. 75c. Two-year old plants, 100, \$1.00; 1,000, \$7.50.

Columbian Mammoth White—Pkg. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. Two-year old plants, 75c 100, \$5.00 1,000.

Conover Colossal—Of large size, tender and of excellent quality. Green shoots. Pkg. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. Two-year old plants, 75c 100, \$5.00 1,000.

Palmetto—It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. Two-year old plants, 75c 100, \$5.00 1,000.



ACCESSORIES FOR ASPARAGUS CULTURE

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$1.50.

Asparagus Knife—V-shaped blade, 30c.

Asparagus Salt—Applied in the spring, 600 to 800 pounds per acre, for destroying weeds. 100 lbs. \$1.00, 200 lbs. \$1.50.

Raffia—The Ideal material for tying asparagus. 20c a lb. in hanks. Special price in quantity; hanks run about 2½ lbs.

Jute Twine—Very soft and pliable. 10c per ball, 25c per lb.

ARTICHOKES

Large Green Globe—This is a very delicious vegetable. Some prefer it cooked like asparagus; that is, take the flower head before it begins to open and cook much the same way as asparagus. Pkt. 10c, oz. 35c.

Artichoke Roots (Jerusalem)—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk. Pkt. 75c, bu. \$2.50.

BRUSSELS SPROUTS

(Ger. Rosenkohl).

One ounce will produce 2,000 plants.

A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equaled by the Cauliflower. Treat same as Cabbage.

Improved Dwarf—Produces compact sprouts of the finest quality; a good keeper. Pkt. 5c and 10c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

BROCCOLI (Ger. Spargelkohl)

One ounce of seed to 200 feet of row.

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves, and the heads are smaller. Treat same as Cabbage.

Early Large White—Heads medium size, close and compact. One of the most certain to head. Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

Early Purple Cape—Rather hardier sort, with greenish-purple heads, good flavor. Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

BEANS (Ger. Bohnen)

Very short crop, may be sold out of any most any moment.

If beans are to be sent by Parcel Post, always figure on 1 pt. weighing 1 lb., 1 qt. 2 lbs., 1 pk. 15 lbs.

Culture—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre.

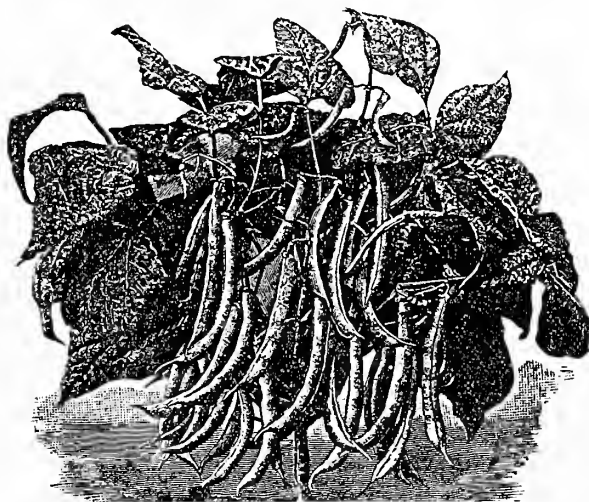
We furnish 5c and 10c packages of all Beans.

BUSH BEANS (Green Pod)

Price on bushel lots or more furnished on application.

Hopkins Improved Extra Early Red Valentine—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Pt. 25c, qt. 40c, pk. \$2.75.

M. & S. GIANT STRINGLESS GREEN POD BEANS



M. & S. Giant Stringless Green Pod Beans

M. & S. Giant Stringless Green Pod Beans—This strain is without doubt the most tender string bean in cultivation, even when the pod has become quite old it still retains its stringless qualities; that, however, is not the only thing in its favor, it recommends itself through its extreme earliness, prolific and continuous bearing qualities and superior flavor. This variety can be planted successively through the entire season; its handsome round pods often seven inches long delight the eye of any housewife; they fairly melt in your mouth. The leading sort for the home or market garden. Pt. 25c, qt. 50c, pk. \$4.00.

Burpee's Stringless Green Pod—An ideal variety having round slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pt. 25c, qt. 50c, pk. \$4.00.

Black Valentine, or May Queen—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Pt. 25c, qt. 40c, pk. \$3.00.

Dwarf Horticultural, or Cherry—This is a broad, long, flat, meaty bean, very productive, delicious flavor, and stringless. It also makes a good dried bean for winter. Pt. 25c, qt. 40c, pk. \$3.00.

Farmogerm for Garden Peas—Means bigger crops, healthier vines, earlier and more continuous crops. Per trial bottle 25c and 50c, \$2.00 per acre bottle. It will pay you to use this when you plant peas and beans. (See Index for particulars.) The Maryland School for the Blind, Overlea, Md.

Refugee, or 1000 to 1—One of the best snap Beans for main crop and late or succession plantings. It is enormously productive. The Beans are round-podded, tender and of excellent quality. Later than the early kinds, but bears much longer and is more productive. Pt. 25c, qt. 40c, pk. \$2.75.

White Navy, or Boston Pea Bean—Yields large quantities of white shell beans, which are used for baking. Pt. 20c, qt. 30c, pk. \$1.75.

We furnish 5c and 10c packages of all Beans.

Beans continued on next page

BEANS—Continued

BEANS, WAX POD VARIETIES

Extremely short crop, may be sold out of any variety any moment.

Currie's Rust-Proof Black Wax—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color, and not apt to rust. Pt. 25c, qt. 50c.

Davis White Kidney Wax—Pods remarkably long, straight and handsome, waxy white color; enormously productive; seed white. Crop failed

Hodson Wax—In growth of vine and productiveness this variety exceeds any other wax-podded bean. The long flat pods are of handsome appearance and usually free from rust. Pt. 25c, qt. 50c, pk. \$4.00.

Improved Golden Wax—Small plants of erect growth bearing flat thick pods about five inches in length, and of excellent quality. An early and reliable variety recommended for home use. Pt. 25c, qt. 50c, pk. \$4.00.

Dwarf Black Wax—Pencil Pod strain. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. Pt. 25c, qt. 50c, pk. \$4.00.

Farmogerm (Nitrogen Gathering Bacteria)—This wonderful preparation will revolutionize your bean crop, both in quantity and length of bearing time. Use according to directions and always mention the crop for which it is wanted. See index for particulars. 25c crop, sufficient for one quart of Beans; other sizes, 50c, 1-acre size \$2.00, 5-acre size \$6.00.

POLE BEANS (Ger. Stangen Bohnen)

Very short crop, may be sold out of any variety any moment.

Culture—Same as Pole Lima.

Horticultural—Pods green, dashed with red when beans are matured. Very showy. Pt. 20c, qt. 35c, pk. \$2.50.

Kentucky Wonder, or Old Homestead—Very prolific, large pods. Pt. 20c, qt. 35c, pk. \$2.50.

Lazy Wife or White Cherry—Pods six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap bean; also a good, white shell-bean for winter. One of the very finest flavored. Pt. 25c, qt. 35c, pk. \$2.75.

POLE LIMA BEANS

Culture—These require poles eight to ten feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant four to six beans, about one inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles, to effect more perfect growth below. Lima Beans for early use may be grown in frames and transplanted. 1 qt. to 100 poles.

King of the Garden—Vigorous grower, bearing large pods, five to eight inches long. Beans large and of rich flavor. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.00.

Extra Large White—The old favorite for home use or market. Our stocks are carefully selected. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.00.

Dreer's Imp., or Potato Lima—Beans round and thick, delicious flavor, easy to shell, immense cropper. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.00.

Siebert's Early Lima—Very fine, immense beans, which retain their color a long while. Pk. 20c, qt. 30c, pk. \$2.00, bu. \$7.00.

Ford's Mammoth Podded. Pods contain from five to seven beans; vine grows vigorously, and bears until frost. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.00.

BUSH LIMA BEANS

1 qt. to 100 feet of drill.

Culture—Plant in rows two feet apart, and about one foot apart in the rows.

Burpee's Bush Lima—The true bush form of the old large lima. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.50.

Henderson's Dwarf Lima—Beans are small, but their flavor is excellent. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.50.



Wonder Bush Lima Beans

Dreer's Bush, or Potato Lima—Produces a medium size thick bean of fine quality. Pt. 20c, qt. 30c, pk. \$2.00, bu. \$7.50.

Wonder Bush Lima—Pods are truly enormous in size, abundantly and well filled with handsome beans, which are both larger and thicker than those of the popular Burpee's Bush Lima. Pt. 25c, qt. 40c, pk. \$3.00.

Fordhook Bush Lima—Similar to Dreer's, but far superior and much larger, bearing in clusters of from four to eight, averaging four large beans to the pod. Pt. 25c, qt. 40c, pk. \$3.00.

ENGLISH, OR BROAD WINDSOR BEANS

(Ger. Sau, oder Grosse Bohnen.)

Culture—Same as Bush Lima, only plant thinner. A bean similar to Lima Beans, but of different flavor and larger. Should be planted early, as they are very hardy. Pt. 20c, qt. 30c.

We furnish 5 and 10c packages of Beans.

Gentlemen:—

I want to say that "Farmogerm" is worth its weight in gold every time it is used on Beans. This past season I had a wonderful crop from your "King of the Garden" Pole Lima Beans, which were treated with "Farmogerm." Yours truly,

J. K. GEIST, Chases, Md.

TABLE BEETS (Ger. Salatruebe)

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

Culture—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as June. When the plants have attained three or four inches in height, thin out so that they stand five or six inches apart. Keep free from weeds. Before freezing weather sets in, the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.

Extra Early Fat Egyptian—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, (Fig. 5.)

Crosby's Improved Egyptian—Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c. (Fig. 1.)

Extra Early Eclipse—Maturing in an incredibly short time, round-shaped beet. Small top, and of excellent table qualities. Makes an attractive seller in market. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c. (Fig. 4.)

Edmand's Blood Turnip—This beet, of American origin, is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size. Color dark red, flesh purplish-red, crisp, tender, and sweet. An excellent keeper. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c. (Fig. 7.)

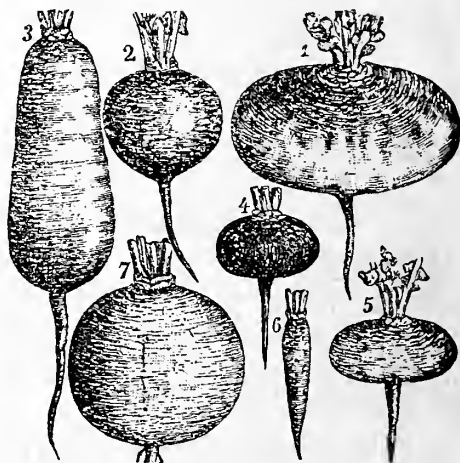
Detroit Dark Red—(Fig. 2.) Blood-red, early, turnip-shaped variety. Has small, upright tops; fine round shape. Skin and flesh dark blood-red. Very tender and sweet. Remarkably uniform in growth, and a particularly desirable sort for truckers and market gardeners. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c.

Long, Smooth, Dark Blood—(Fig. 6.) This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 1.00.

M. & S. Crim-son Globe—A second early variety, does not grow large and coarse, the matured beets being medium in size and of good shape. The flesh and skin are both very dark, and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

Swiss Chard, or Spinach Beet. Giant Lucullus. The leaves of Swiss Chard are used as greens, cooked in the same manner as

spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Giant Lucullus is the largest and best variety of Swiss Chard, and you should not fail to plant at least one long row in your garden this spring. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



M. & S. Improved Crimson Globe Beet

BEET (Mangel-Wurzel) (Ger. Runkelrueben)

Used for feeding cattle. Sow five pounds per acre

Culture—Sow in April and May in thoroughly plowed, well-manured soil, in drills two inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

Jumbo Mangel—Immense, long red, very fine quality. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Sludstrup Barres Mangel—Recently introduced from Denmark. The finest, largest and most prolific Mangel in existence. Half-long, stump-rooted, yellow flesh. Outside color orange with red top. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Gate Post Mangel—Large, yellow, excellent sort. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Mammoth Long Red—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel and very valuable for stock feeding. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c.

Golden Tankard—(Fig. 3.) The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c.

Improved White Sugar Beet—An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c.

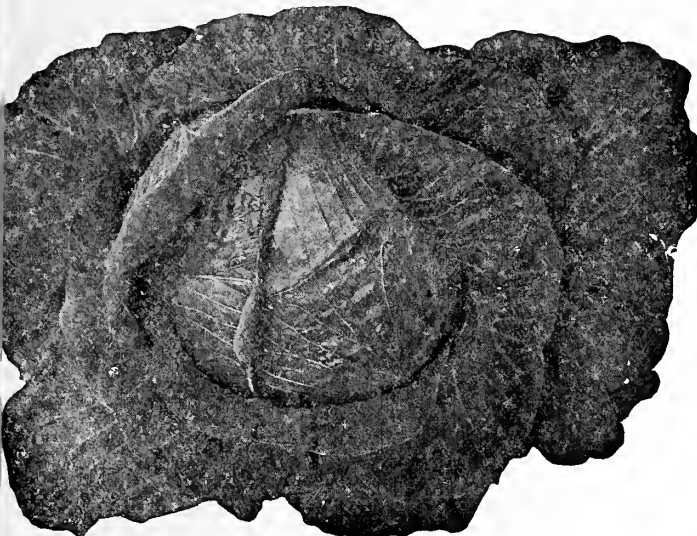
CABBAGE (Ger. Kopfkohl)

One ounce will produce about 2500 plants; one-quarter pound for transplanting an acre.

Culture—Sow seeds in January or February in hotbeds; and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

EARLY VARIETIES



Copenhagen Market

Copenhagen Market—A valuable new early cabbage from Denmark, producing a large globe shape head, which comes into market along with Charleston Wakefield. It is well known that Denmark is a great cabbage and cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. It is a vigorous grower and an excellent keeper. We have grown it for two years on our trial grounds where it excited great admiration. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

New Early—The largest of the early cabbage. The head is roundish flat and remarkably solid. Pkt. 5c, and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Early Jersey Wakefield—The finest oblong shaped cabbage in existence. The head is solid, there being very few outside leaves. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Large Charleston Wakefield—Similar to Early Jersey, but the heads are more blunt, equally as solid, while it grows almost

twice the size, but matures one week later. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early Flat Dutch—A dwarf-growing type, principally used for early summer. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Early Winnigstadt—Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

SECOND EARLY VARIETIES

Early Drumhead—A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Henderson's Early Summer—The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Succession—A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

LATE, OR WINTER VARIETIES

All Seasons (Vandergaw)—A very large head, round and solid. It is valuable for summer or winter use. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Danish Ballhead—An elegant medium late variety. Pkt. 5c and 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Late Flat Dutch—(Improved Strain). This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Large Late Drumhead—Much like the above except the heads are not quite as large nor as flat. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Perfection Drumhead Savoy—A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Red Dutch Drumhead—A red variety, used extensively for pickling. Pkt. 5c and 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Volga—The heads often weigh 12 to 15 pounds. The interior is pure white. The heads are very solid. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

M. & S. FROST-PROOF CABBAGE PLANTS

**WILL MATURE HEADS TWO TO THREE WEEKS
EARLIER THAN YOUR HOME GROWN
PLANTS AND DOUBLE YOUR
PROFITS. WHY?**

There are a number of islands along the Sea Coast of South Carolina and the Gulf Coast of Louisiana where the soil and climatic conditions are just suited for growing tough, hardy cabbage plants during the Winter and early Spring. The plants make a slow but steady growth, until at eight or ten weeks of age they are very tough and hardy, the buds are purple and the outer leaves a reddish brown. When in this condition they can be shipped to territory farther north and be planted in the open ground a month to six weeks sooner than the home-grown hot bed or cold frame plants. These **Frost-Proof Cabbage Plants** will stand a temperature of 8 to 10 degrees above zero without injury, the land freezing, or the plants being covered with ice, sleet or snow after they are planted will not injure them.

The top of the plant does not grow until your regular Spring weather opens up, but the roots grow from the time they are planted, and just as soon as spring weather starts, the established root growth assimilates the fertilizer in the soil, the plants grow very fast, maturing headed cabbage two to three weeks sooner than you can mature them from hot bed and cold frame plants. You know what the difference in profit will be if your crop is matured and marketed before the general crop from home-grown plants is matured.

To get the advantage of these **Frost-Proof Cabbage Plants** they must be planted a month or six weeks earlier than you would plant home-grown plants.

Our cabbage plants are grown from the best Long Island grown seed and are shipped direct from our growing station in South Carolina or Louisiana by parcel post or express. We can fill orders from December 1st to May 1st.

The plants when received will be somewhat wilted and have a hard, stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results. We guarantee good order delivery.

VARIETIES: EARLY JERSEY WAKEFIELD, CHARLESTON LARGE TYPE WAKEFIELD SUCCESSION AND EARLY FLAT DUTCH

Prices by parcel post, postage paid, 35c per 100 plants to all places in the postal union. On larger quantities the prices are as follows:

Group 1—Georgia, Louisiana, Mississippi, North Carolina and South Carolina. 500 plants for \$1.10, 1,000 or more at \$1.90 per 1,000.

Group 2—Alabama, Arkansas, Delaware, Florida, Kentucky, Maryland, Missouri, New Jersey, Ohio, Pennsylvania, Tennessee, Virginia and West Virginia. 500 plants for \$1.25, 1,000 or more at \$2.20 per 1,000.

Frost Proof Cabbage Plants continued on next page

CABBAGE PLANTS—Continued

Group 3—Connecticut, Kansas, Illinois, Indiana, Iowa, Massachusetts, Michigan, New Hampshire, New York, Oklahoma, Rhode Island, Texas, Vermont and Wisconsin. 500 plants for \$1.40, 1,000 or more at \$2.45 per 1,000.

Group 4—Arizona, Colorado, Minnesota, Nebraska, New Mexico, North Dakota, South Dakota, Utah and Wyoming. 500 plants for \$1.55, 1,000 or more at \$2.75 per 1,000.

Group 5—All States not listed, also, Canada, Cuba and Mexico. 500 plants for \$1.70, 1,000 or more at \$3.05 per 1,000.

Prices by express, buyer paying charges, which under special rates are very low. 500 for \$1.00. In lots of 1,000 to 4,000 at \$1.50 per 1,000, 5,000 to 8,000 at \$1.25 per 1,000. In lots of 10,000 or over at \$1.00 per 1,000.

Plants are packed for parcel post shipment either 100, 200, 300, 400, 500 or 1,000 plants to package. For express shipment, 500 or 1,000 plants to package. Order in these quantities. They weigh 15 to 20 pounds per thousand plants packed for shipment.

Terms: Cash with Order—No plants shipped C. O. D. We advise that you have all shipments of two thousand plants or less sent by parcel post. They make quicker time, are delivered by the mail carrier, and save you the time of going to the express office for the shipment. On larger lots inquire of your express agent what the charges will be. To a great many points the parcel post rates are as low or lower than the express rates. When rates are near the same always order by parcel post, as time and service is better.

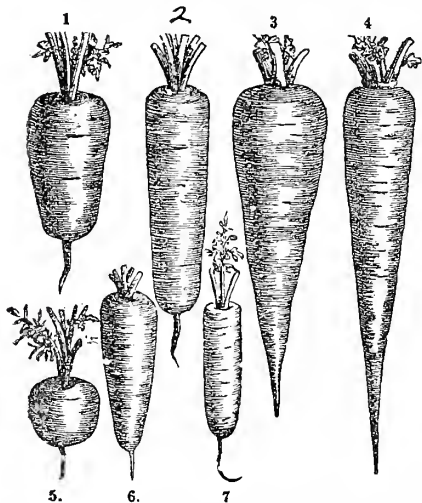
Early Sorts—From hotbeds. All the leading varieties ready April 1st. 10c doz., 40c 100 (by mail 55c), \$3.00 1,000.

Late Sorts—Ready July 1st. 40c 100, \$3.00 1,000.

CARROT

(Ger. Moehre, oder Gelbe Ruebe)

One ounce to 100 feet of row, 2 or 3 lbs. to the acre.



Culture—A light, loamy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.

Pride of the Market—An ideal medium early, stump-rooted Carrot; smooth and uniform in shape, averaging five inches in length, with thick, heavy shoulders, rather large tops and deep orange color. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

Parisian Forcing (Fig. 5)—Extremely early, of small size, but very sweet, tender and beautiful orange red color. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

Chantenay (Fig. 2)—Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

Danvers, or Half-Long Orange (Fig. 6)—Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer, thicker and a better keeper than the Chantenay. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

Guerrande, or Oxheart (Fig. 1)—A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

Intermediate (St. Valery) (Fig. 3)—Matures earlier than Long Orange Improved; has shorter and broader roots which gradually taper to a point. Valuable for feeding stock. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

Long Orange Improved (Fig. 4)—The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c.

Crownsville State Hospital, Crownsville, Md.

We can only say that all articles coming from your firm have proven to be very satisfactory. All our seeds for last year's planting germinated quickly and yielded large crops. Further you have supplied us with goods of high standard and lowest prices

GEORGIA COLLARDS

One of the most popular Southern vegetables, largely used in place of cabbage. It is hardier and easier to grow than cabbage, can be grown on poorer soil and withstands insect attacks better. Although often sown during the spring and summer, the principal sowings are made in June, July and August, the plants transplanted a foot apart in the row and given frequent cultivation. They make a most excellent vegetable for the late fall, winter and early spring. The flavor is improved by frost. Cultivate like late cabbage. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**CAULIFLOWER**

(Ger. Blumenkohl)

One ounce of seed to 1500 plants.

Culture—When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep, rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of the Cabbage. For early Fall crops, sow in May and transplant in June, in rows four feet apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

Dry Weather or Danish Giant—The great drought resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt. 10c, 25c, 50c; \$2.00 per oz.

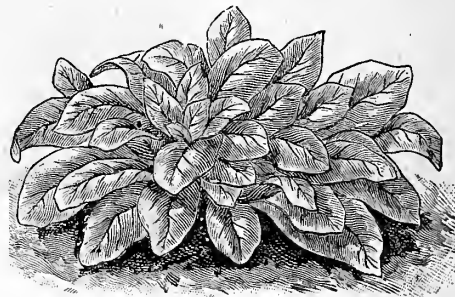
Early Snowball—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture. Pkt. 10c, 25c and 50c; oz. \$1.50.

Select Early Dwarf Erfurt—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt. 10c, 25c and 50c; oz. \$1.50.

Veltch's Autumn Giant—A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt. 5c and 10c, oz. 50c.

CAULIFLOWER PLANTS

Early Snowball—Ready in April. 60c 100 (by mail 75c), \$5.00 1000.

CORN SALAD (Ger. Acker Salat)

Culture—Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September.

Large Leaved—Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

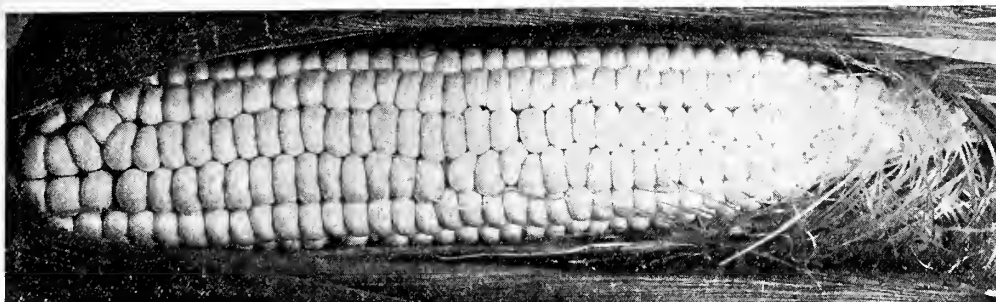
Maryland Normal and Industrial School, Bowie, Md.

We have purchased practically all of our seeds, fertilizers and farm necessities generally, for the last four years from Meyer & Stisser, of 32 Light street, Baltimore. It is not only a pleasure but it is just to say that we have received prompt shipment, excellent materials, good prices, and that our relations have been in every way satisfactory.

(Signed) D. S. S. GOODLOW, A. B., Principal.

(Signed) DR. ROBERT P. WINTERODE, Supt.

SWEET OR SUGAR CORN (Ger. Zucker Mais)



Snow White Evergreen Sugar Corn

One quart will plant 200 hills; eight to ten quarts in hills to acre.

Culture—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2½ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

Extra Early Adams—Height of stalk three to four feet, ears set within six inches of the ground. Not a sugar corn, but a decided acquisition so early in the season. Pt. 10c, qt. 20c, pk. 75c, bu. \$3.00.

Early Adams—Similar to Extra Early Adams; larger, but not so early. Pt. 10c, qt. 20c, pk. 75c, bu. \$3.00.

Mr. John H. Bowen, Pikesville, Md., says: "Your King of the Garden and Dreer's Pole Lima Beans gave me the best crop of Lima beans that I have had in my seven years' experience of farming."

Snow White Evergreen Sugar Corn—It produces large uniform ears, which are well filled to the top with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden, keeps well after being cut. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Peep-O-Day—This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. It may be used for early or late planting with equal success; claimed to be the most prolific variety. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Golden Bantam—Extremely early. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from two to three good ears to the stalk. Pt. 15c, qt. 25c, pk. \$1.50, bu. \$5.00.

Black Mexican—An old favorite, being very tender and sweet. Pt. 15c, qt. 25c, pk. \$1.50.

Premo—One of the finest early that grows. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Early Sheffield—A splendid variety to come in between early and late sorts, and is destined to become as popular as Stowell's Evergreen. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Early Mammoth—Large ear, and early; splendid early market sort. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Stowell's Evergreen—Matures for table in about 80 days from germination. One of the sweetest, ears large, deep grained, of excellent quality, remaining green longer than any other variety. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Stowell's Evergreen on Ears—Each, 5c, doz. 50c.

Late Mammoth Sugar—The strongest growing of all sugar corns. Takes 85 days to reach maturity for table. The ears are very large and showy. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.00.

Country Gentlemen—A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. Pt. 20c, qt. 30c, pk. \$1.57, bu. \$6.00.

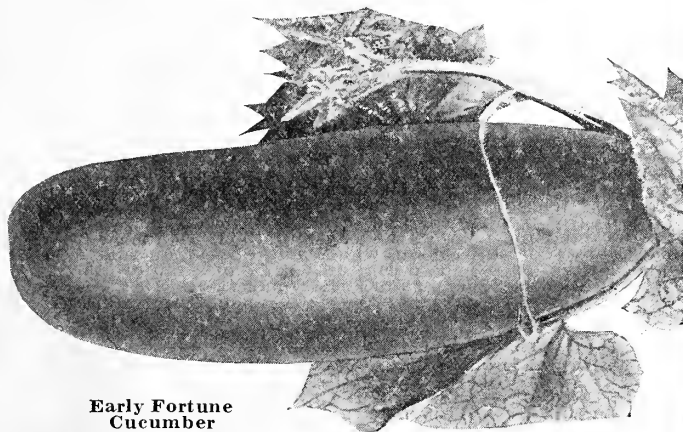
Shoe Peg, or Ne Plus Ultra—Very similar to the above. Pt. 20c, qt. 35c, pk. \$1.75, bu. \$6.00.

Red Cob, or 90-Day Corn—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. Good market sort, used extensively by our Maryland truckers. ¼ pk. 25c, pk. 75c, bu. \$2.50.

CUCUMBER (Ger. Gurke).

One ounce will plant fifty hills; two pounds, one acre.

Culture—For very early Cucumbers, sow the first of April in a hot-bed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession, sow until the middle of August.



Early Fortune Cucumber

Early Fortune Cucumber—This new variety of cucumber was discovered several years ago in a field of "Davis Perfect," and is now so thoroughly established that large fields do not show any variation in plant or fruit. The vines make a strong and vigorous growth, producing abundant crops of cucumbers, which are slightly longer than Arlington White Spine, more cylindrical in shape and have a very dark green skin. The flesh is thick, seed cavity relatively small and the quality is excellent. This variety is one of the best introduced in years. Pkt. 5, oz. 10c, ¼ lb. 20c, lb. 75c.

New Klondike—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Improved Early White Spine—The old standard favorite. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. Special prices on large quantities.

Arlington White Spine—Another standard sort. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. Special prices on large quantities.

Improved Long Green—Long and crisp; a popular and reliable variety for pickles. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Jersey Pickle—Productive and said to "green" better than any other variety, and to "hold color." Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

Livingston's Evergreen—A very strong grower, very early, bears firm, crisp fruit, which is excellent for slicing or pickling. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Early Green Cluster—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Small Gherkin, or Burr—Used only for pickling while young and tender. Pkt. 5c and 10c, oz. 25c.

Danish Pickling Cucumber—A new introduction from Denmark. Seeds extremely scarce. A very prolific grower producing small dark green warty fruit, especially desirable for pickling. Pkt. 10c, oz. 25c, ¼ lb. 75c.

Japanese Climbing—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable interesting novelty. Pkt. 5c and 10c, oz. 20c.

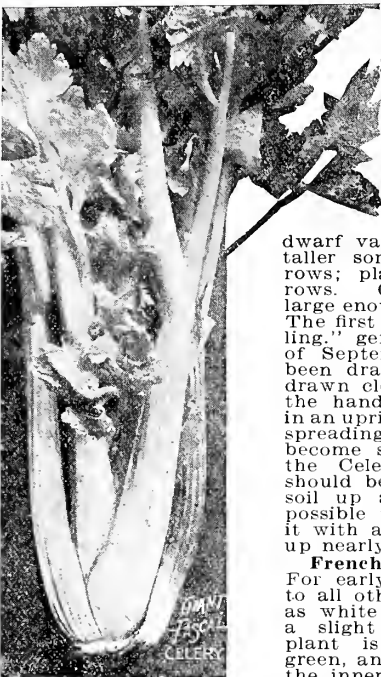
English Forcing Telegraph Cucumber—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds, 25c, 100 seeds \$1.25.

Unsolicited Testimonial.

I bought my garden seed of you this spring and had most satisfactory results; never had seed germinate better. Several have asked for my seedsmen's name so I hope to have larger orders for you this coming spring. (Mrs.) A. B. BLAKE, August 5, 1915. Manquin, Va.

CELERY (Ger. Sellerie)

One ounce will produce about 2000 plants



Culture—Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high transplant the dwarf varieties three feet, and the taller sorts four feet between the rows; plant six inches apart in the rows. Cultivate well, and when large enough, blanch by earthing-up. The first operation is that of "handling," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position, and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

French Golden Self-Blanching

For early use; preferred by many to all other sorts; as self-blanching as white Plume, and simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautiful waxy golden color. Grows to a good size, very tender,

crisp and solid, and when well grown is of excellent quality and very beautiful. Seed supply very limited. Pkt. 25c, oz. \$1.50.

White Plume—Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

Giant Pascal—The stalks are very large, thick, solid, crisp and of a rich, nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Golden Heart—Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.50.

Boston Market—A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.50.

Winter Queen—This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

Victory—Runs a close second to the above, very similar. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

M. & S. Monarch—This variety is a decided acquisition in green Celery, producing large stalks, and magnificent bright golden yellow heart. The stalks are very solid, brittle, and of most delicious flavor, and entirely free from stringiness. It is a remarkably good keeper and presents a handsome appearance when ready for the table. Pkt. 10c, oz. 25c, ¼ lb. 75c.

M. & S. Magnificent—It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle, so that it has a tendency to melt in the mouth; it is a truly good sort and should be planted extensively. Pkt. 10c, oz. 25c, ¼ lb. 75c.

Celery Plants—Ready in July. 50c 100, 1,000 prices furnished on application.

CELERIAC OR TURNIP-ROOTED CELERY

Giant Prague Celeriac (Prager Riesen Sellerie)—This is unquestionably the largest and best Celeriac in existence. The roots are very large, twice as large as the Erfurt, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt. 5c, and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

**EGGPLANT (Ger. Eierpfplanze)**

One ounce will produce about 1,000 plants.

Culture—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore, repeated sowings are sometimes necessary.

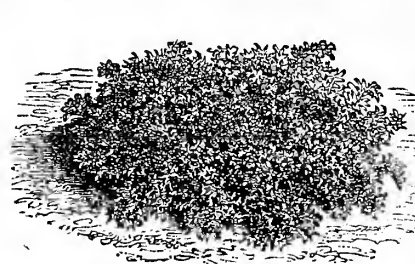
Black Beauty Eggplant—This beautiful Eggplant is a great improvement over the well-known and largely-grown New York Improved Large Purple. The plants are remarkably healthy in their growth, and produce an abundance of large fruits fully ten days earlier than the New York Improved. The skin is of a rich purplish-black color, making the fruit very attractive in appearance. It is also entirely spineless. The quality is all that could be desired. Pkt. 5c and 10c, oz. 25c, ¼ lb. 85c.

New York Improved Purple—The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. Pkt. 5c and 10c, oz. 25c, ¼ lb. 85c.

Florida High Bush—The hot sun does not blight the blossom as is the case with some other sorts. It resists drought and bad weather to a wonderful degree, partly on account of its strong, upright growth. It bears its eggs or fruit sometimes two to four feet above the ground, thus escaping liability of rot. Large size and good quality. Pkt. 5c and 10c, oz. 25c, ¼ lb. 85c.

EGGPLANT PLANTS

Eggplant—Plants ready in May and June. Pot-grown, 50c doz. \$4.00 per 100. Drawn plants, 25c doz., \$1.25 per 100.



Green Curled Endive



Black Beauty Eggplant

ENDIVE (Ger. Endivie)

Culture—Sow in June, July and August; cover lightly; when up, thin out to eight inches apart, and water well afterward, if dry. When the leaves are 6 or 8 inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

Green Curled—Tender and crisp. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.00.

White Curled—Self-blanching. Very tender when young; blanches readily. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.00.

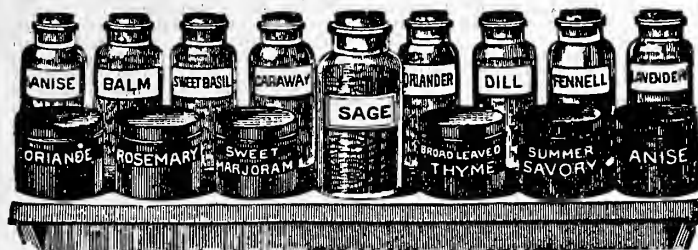
Broad Leaved Batavian (Escarole)—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

WHITLOOF CHICORY, OR FRENCH ENDIVE

Whitloof Chicory, or French Endive—Known in restaurants as French Endive. The stalks when blanched make a delicious salad. It is used in Europe as a boiled vegetable. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results.

In order to grow good "Whitloof" the seed should be sown during April in the open ground, in drills 10 or 12 inches apart, in deep, rich soil. Allow the plants to grow until November, keeping free from weeds and watering if necessary. Then take up the roots and trim off the leaves to about 1½ inches from the neck, break off any shoots which may appear on sides of root, and shorten lower end so that all will be of a uniform length of 8 to 10 inches. Then plant in a trench 16 to 18 inches deep, placing the roots upright, about 1½ inches apart. This will leave the necks of the roots about 8 inches below the level of the ground. Fill up the trench with good, light, well-drained soil, and, if speedy growth of any portion of the crop is desired, it may be accomplished by covering with a layer of manure at least 16 inches deep. In about 4 to 5 weeks the leaves will attain their proper size, and the manure may be taken off and roots dug up. The blanched head is the edible portion, and should be cut off, leaving a portion of the neck attached to it. Witloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c.

Mrs. Catharine Driver, Lansdowne, Md., tells us that she never had such fine Cabbage as she grew from our Succession and Copenhagen Market Cabbage Seed in her long experience of trucking. She also says, "I pulled 250 bunches of Long Orange Carrots on July 8th, from a ¼ pound of your seed planted April 1st, and your Celestial or White Chinese Radish is the finest I have ever had."

HERBS (Ger. Kraeuter)

Culture—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Borage—Pkt. 5c and 10c, oz. 15c.
Caraway—Seeds used to flavor bread. Pkt. 5c and 10c, oz. 15c.

Coriander—Pkt. 5c and 10c, oz. 15c.
Dill—The seeds are used as a condiment and for pickling. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.

Fennel—Pkt. 5c and 10c, oz. 15c.
Horhound—For medicinal purposes and flavoring. Pkt. 5c and 10c, ½ oz. 25c.

Lavender—For flavoring and perfumery. Pkt. 5c and 10c, oz. 25c.

Mint—This variety is the true spearmint used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years. Seeds 25c per pkt., Plants 10c each, doz. \$1.00, \$6.00 per 100.

Pot Marigold—Pkt. 5c and 10c, ½ oz. 20c.
Rosemary—Leaves are used for seasoning. Pkt. 5c and 10c, oz. 30c.

Rue—Pkt. 5c and 10c, oz. 20c.
Sage—For seasoning and dressing. Pkt. 5c and 10c, oz. 20c.
Summer Savory (Bohnen Kraut)—Used for flavoring. Pkt. 5c and 10c, oz. 15c.

Sweet Basil—For flavoring soups. Pkt. 5c and 10c, oz. 20c.
Sweet Marjoram—Leaves and ends of shoots used for seasoning. Pkt. 5c and 10c, oz. 20c.

Saffron—For medicinal and coloring purposes. Pkt. 5c and 10c, ½ oz. 15c.

Tarragon—This does not produce seed, but we offer choice plants. These are hardy if given plenty of protection in Winter. Do not plant them in an exposed place. Extra large plants 50c each, (by mail 60c).

Thyme (Broad Leaf)—For seasoning, also for making tea for nervous headache. Pkt. 5c and 10c, oz. 25c.

Woodruff (Ger. Waldmeister)—A sweet-scented herb which is used as essence in the German Maitrank. Pkt. 15c.

Wormwood—Pkt. 5c and 10c, oz. 20c.

HORSE RADISH ROOTS (Ger. Meer-Rettig)

Ready April 1st. Extra strong roots will produce large size radish the first season.

Regular Variety—Doz. 15c, 100 50c, 1,000 \$4.00.

Mallner Kren—A large quick-growing variety, which is now the very best horse radish grown. Doz. 25c, 100 75c.

KALE (Ger. Krauskohl)

One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.

Culture—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter.

The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

Emerald Isle Kale—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from

other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt. 5c and 10c, oz. 15c, ¼ lb. 25c, lb. 75c.

Dwarf German Kale—Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 30c.

Tall Scotch—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

New Imperial Long Standing—The leaves are very crimp and of a dark green color. It stands quite tall and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt. 5c, oz. 15c, ¼ lb. 15c, lb. 35c.

Mossback Kale—Very curly, light in color, not very hardy. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Dwarf Green Curled Scotch, or Norfolk—One of the most popular shipping sorts; very largely used in the Norfolk trucking district. The leaves are of a bright green color, beautifully curled. Should be sown in rows in August and September. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Borecole, Hardy Winter—This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are out. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

KOHL-RABI (Ger. Kohlrabi)

One ounce will sow 150 feet of drill.

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

Earliest White Vienna—Greenish white outside, with clear white flesh within. Smooth, short leaf; good for forcing; fine quality. Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Earliest Purple Vienna—Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

LETTUCE (Ger. Salat)

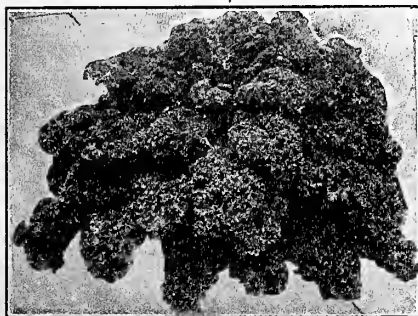
Two ounces of seed to 100 yards of row; 1 ounce for 2,000 plants.

Culture—Lettuce is now sown during most all seasons of the year. For outdoor use seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For Winter use sow the seed in September in hotbeds and follow it with other sowings for succession.

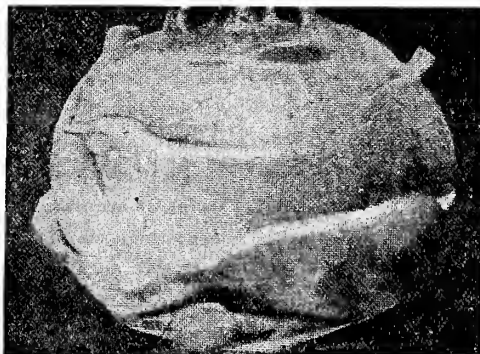
Best of All—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. Pkt. 5c and 10c, oz. 20c, ¼ lb. 40c, 1 lb. \$1.50.

Big Boston Lettuce M. & S. Strain—It is a great keeper, a true long-distance shipper, and we especially recommend it to all lettuce-growers who ship long distances. It seems to have little or no tendency to go to seed, which is a highly valuable feature for all lettuce-growers. It will stand longer on the ground and hold up longer after being cut than any type of Big or Large Boston Lettuce you ever had. It is a grand success, and as one of our largest customers writes: "I don't think there is a lettuce to beat it." It is particularly well adapted for open ground culture during the late summer or autumn, and it has the valuable feature of withstanding considerable frost or cold weather without injury. In this locality we have had it to stand in perfect condition as late as November 25th with but a light covering. It is continually gaining in popularity; acres of it are being grown by the largest lettuce growers. It is immensely large, heavy, firm, beautifully white buttery heads, crisp, tender and sweet. It is well adapted to growing in frames and cool greenhouses. (See Cut.) Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.00.

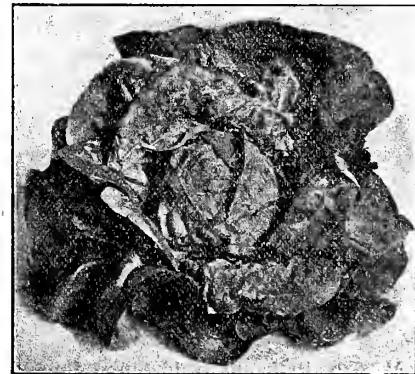
Lettuce continued on next page



Emerald Isle Kale
The Finest Kale in the World



Earliest White Vienna Kohlrabi



Big Boston Lettuce

LETTUCE—Continued

Black Seeded Simpson Lettuce—Fine large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. **Pkt. 5c and 10c, ¼ lb. 30c, lb. \$1.00.**

M. & S. All-Right—For early Spring and Fall sowing. Produces beautiful light green heads, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.25.**

Grand Rapids—Excellent for forcing, fine quality, large, loose yellowish-green heads, stands well. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00.**

M. & S. Belvedere Lettuce—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. (Read what Mr. John Comes says about it.) The M. & S. Belvedere is extremely slow in running to seed; it is therefore, the ideal lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. The seed is scarce, and we advise our customers to order quick. **Pkt. 10c, oz. 25c, ¼ lb. 75c, 1 lb. \$2.50.**

Romain White Paris Cos.—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00.**

Hon. C. J. Bonaparte, Glenarm, Md.

California Cream Butter—A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

Improved Hanson—Large, compact, reliable header; outside leaves curled. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

Boston Market, or White-Seeded Tennisball—Early and compact, quite desirable, good forcer. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25.**

Oak Leaf—Quite popular. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

Big Head—A big, compact head. Has no core, but a tender, golden heart. Unexcelled for shipping; it resists the cold and withstands the Summer heat. Crisp, mild flavor. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00.**

Improved White Loaf—Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00.**

Defiance—Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. **Pkt. 5c, and 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00.**

M. & S. Strain All-Season—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.**

May King—This valuable new lettuce from Germany is, without any question, one of the best lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.**

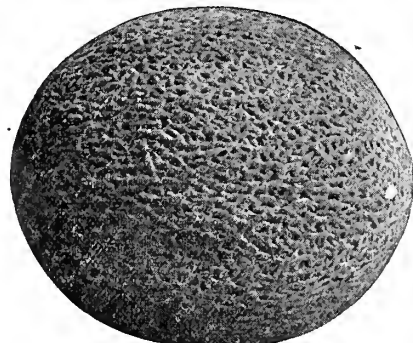
Unrivalled—This grand new lettuce can be sown most any time, slow in running to seed; has beautiful green outside leaves and white heart and is tender and crisp. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.**

Millionaire Lettuce—The earliest large heading Lettuce. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 50c, lb. \$1.50.**

MUSKMELON, OR CANTALOUPE (Ger. Melone)

One ounce will plant about 50 hills; two to three pounds in hills to acre.

Culture—Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on pieces of sod.



Mr. Joe Polaski, of Severn, Md., tells us that in his long experience of growing Cucumbers he has never had any Cucumbers as handsome as the ones that he raised from the new Klondike Seed which he purchased from us last season.

General German Aged People's Home, Baltimore, Md. We beg to state that we've bought goods from you for several years and they have turned out very satisfactory.

(Signed)
C. H. BLANK,
Chairman.

M. & S. Delicious Gold Lined Rocky Ford Cantaloupe

M. & S. Delicious Gold-Lined Rocky Ford Cantaloupe—This strain of the Eden Gem type is the result of several years selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meated, fine grained and sweet; color green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size, and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from a select melon and hand seeded. We recommend this seed for the use of Melon Growers' Associations and high-class Market Gardeners. **Pkt. 5c, and 10c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.50.**

Rocky Ford—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.**

Early Netted Gem—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.**

Emerald Gem—Small, green skin, delicious yellow flesh. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

Acme, or Baltimore Nutmeg—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality. Green fleshed. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.**

Jenny Lind—Very early, small, round, netted and of fine quality; green fleshed. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

Hackensack, or Turk's Cap—A very fine, large sort; green fleshed. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

Miller's Cream, or Osage—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

Knight Cantaloupe—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25.**

Banana—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 40c.**

Montreal Market—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is the variety which is grown exclusively on the Island of Montreal, and commands such high prices during the Fall months. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

Imported Varieties for Forcing in Greenhouses.

Blenheim Orange—A favorite variety, scarlet flesh, good flavor. **Pkt. 25c.**

Windsor Castle—Green flesh, oval shape, finely netted, delicious flavor. **Pkt. 25c.**

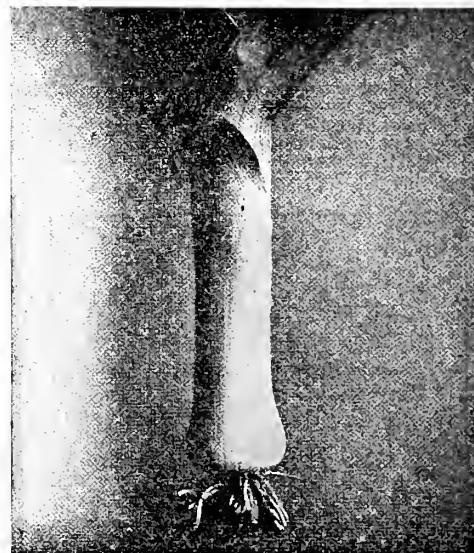
LEEK (Ger. Lauch)

One ounce to 150 feet of row.

Culture—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating so that they may be well blanched by the time they are fit for use.

Giant Carentan—Produces a large thick stem, and of mild flavor. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25.**

American, or Flag—One of the hardest and best for Winter use. **Pkt. 5c and 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25.**



WATERMELON (Ger. Wasser Melone)



Monte Cristo, or Kleckley Sweets

One ounce for thirty hills; four to five pounds for an acre.

Culture—Watermelons should be planted in hills eight to ten feet apart. Otherwise, for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

Monte Cristo, or Kleckley Sweets—Where sweetness combined with large size is desired this variety will surely please, as it not only produces melons above the medium size, but has that crisp, sugary flavor so much desired in a watermelon. It is the sweetest of all. Oval shape, skin dark green and somewhat mottled. The rind is thin, but sufficiently tough to stand carrying to nearby markets. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Triumph—Large, oval, handsome dark green color, fine variety and of excellent quality. One of the finest melons ever introduced. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Florida Favorite—Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

McIver's Wonderful Sugar—Resembles Old Rattlesnake, superior in quality. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Gray Monarch, or Long White Icing—Very large, long, crimson flesh. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Mountain Sweet—Popular sort; early and sweet. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Dark Striped, Kolb's Gem—The great shipping melon. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 35c.

Tom Watson—This melon has created quite a furore wherever grown, and we believe is unquestionably the best quality shipping melon in our list. It has a dark green rind, solid red luscious meat, ripening close up to the rind. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. It is the most popular melon on our list. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

Improved Georgia Rattlesnake—The Old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Citron—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt. 5c, oz. 10c, lb. 60c.

MUSTARD (Ger. Senf)

White Mustard—For salads and culinary purposes. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.

Brown Mustard—Stronger than above. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.

The Sykesville Lumber, Coal and Grain Co., Sykesville, Md.

It gives us pleasure to add our testimonial not only as to the reliability of your seed, but also to the business end of handling orders. Your seeds have given entire satisfaction in every instance and orders have been shipped promptly and accurately on all occasions.

(Signed) WADE H. D. WARFIELD, Pres.

M & S. MUSHROOM—SPAWN (Ger. Champignonbrut)

Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture, which otherwise sells for 35c.

The ever-increasing demand for this delicacy for hotels and the home table has resulted in the establishment of many successful commercial growers.

Culture—Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water. Estimate one brick for about eight square feet of bed.

Prices for direct bricks, Pure Culture Spawn (if ordered to be sent by Parcel Post, include postage according to zone; a brick weighs 1¼ lbs.). 1 brick 25c, 5 bricks \$1.10, 10 bricks \$2.00, 25 bricks \$4.25, 50 bricks \$8.00, 80 bricks ½ case \$12.00, 160 bricks full case \$22.40; latter two f. o. b. growing station.



Mushroom, or Hot Bed Thermometers—Heavy brass point style. Price, \$1.25.

Book on Growing Mushrooms—Postpaid, 35c.

Doughoregan Manor Farm, Ellicott City, Md. Chas Carroll, of Carrollton, Owner.

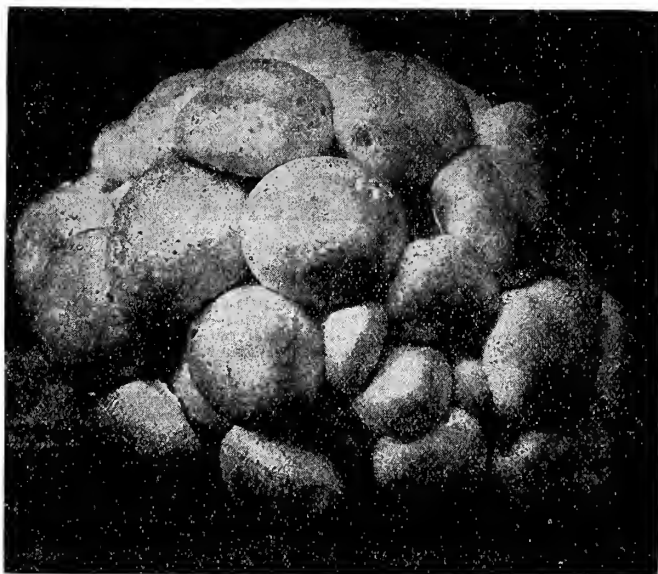
In the past two years we have purchased from you a considerable quantity of supplies for our large poultry plant; also garden seeds, bulbs, etc., for our gardens and green houses, and have always found them to be first-class goods.

We take pleasure in recommending the Meyer-Stisser Company to those who want first-class goods, and courteous treatment.

(Signed) CHAS. F. HAIGHT, Mgr.

It affords me much pleasure to write you that I have just finished digging my potatoes and although this has been the year of the greatest drought ever known in Maryland, my potato yield has been abnormal. The potatoes are also unusually large. The Timothy seed I purchased is especially clean and I have always found your firm courteous and prompt.

(Signed) JAS. L. GOODWIN, Mgr.



This illustration shows a cluster of fifty Mushrooms on one root, grown from our "Pure Culture Spawn"

Women's Civic League, Fidelity Building, Baltimore, Md.

Your prompt attention to the Home Garden Committee's order for seed was most satisfactory. All of the seeds received from you, both vegetable and flower, have proven entirely reliable.

(Signed) MARTHA O'NEILL.

We are pleased to report that the seed we bought from you the past season turned out well.

We had no trouble whatever with them not coming up and the yield was fine and the vegetables clean and well developed.

(Signed) JOHN F. BLEDSOE, Supt.

I bought a package of your Banana Cantaloupe and must say that I was more than pleased with the results that I received from same. I never had such delicious cantaloupe before.

Yours truly,
E. L. PAINTER, Owings Mills, Md.

OKRA, OR GUMBO (Ger. Safran)

Four ounces to forty feet of drill.



Culture—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills.

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

White Velvet, or Lady Finger—Bears round, white smooth, pods, unlike other varieties, which are ridged or square edge. The pods are of extra large size, and are produced in great abundance. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.

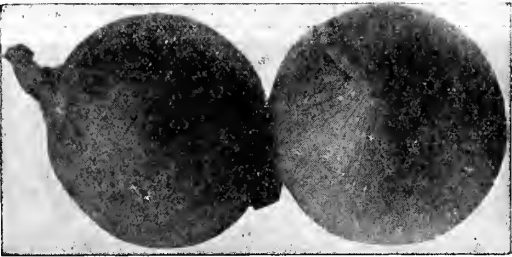
Improved Dwarf Green Proflific—Of dwarf growth, but immensely productive, and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

White Velvet
superior quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Perkins' Mammoth Podded—A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an immense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

ONION (Ger. Zwiebel)

American Grown Seed. One ounce for 100 feet of drill; six pounds for one acre.
Crop very short, prices subject to change.



Yellow Globe Danvers

Culture—For sets, sow the seeds as early as possible in the Spring, very thickly, in drills. As soon as the tops dry off in Summer, remove them to a dry, airy place, and early in the following Spring re-plant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions by this process obtained are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or early April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.

By sowing Onion Seeds in frames in February or March, and transplanting in April, onions of immense size can be obtained. Use Prizetaker or Bermuda varieties for this.

Yellow Globe Danvers—One of the most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped, with small neck, and ripen very evenly. Flesh white, crisp, and of mild and excellent flavor. We have developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities of the original Danvers. Pkts. 5c and 10c, oz. 15c, ¼ lb. 40c, lb. \$2.00.

White Silverskin—Ripens early, of large size, mild in flavor, and excellent for Winter use; much esteemed for pickling when small. Pkt. 5c and 10c, oz. 20c, ¼ lb. 75c, lb. \$3.00.

Large Red Wethersfield—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt. 5c and 10c, oz. 15c, ¼ lb. 60c, lb. \$2.00.

Prizetaker—This is the large, pale yellow onion that is offered for sale in the fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 5c and 10c, oz. 15c, ¼ lb. 50c, lb. \$2.00.

Australian Brown—The bulbs grow to a good marketable size, and are very hard and solid. They ripen earlier than either Yellow Danvers or Red Wethersfield, are beautiful brown color and mild flavor. Pkt. 5c and 10c, oz. 15c, ¼ lb. 50c, lb. \$2.25.

Chives Seed—Pkt. 10c, oz. 75c.

Bermuda Varities—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. In the South seed sown in the Fall will produce fine large onions for market in early Spring.

Red Bermuda—Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

White Bermuda—Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

ONION SETS

One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

If ordered to be sent by Parcel Post, include postage, according to zone; a quart of Onion Sets weighing about 1½ lbs. Prices on application.

Yellow Danvers—Pt. 15c, qt. 25c, pk. \$1.00, bu. prices on application.

Large Red Wethersfield—Pt. 15c, qt. 25c, pk. \$1.00, bu. prices on application.

Multiplier Onion Sets, yellow and white, are furnished in September and October. Market price.

Price on Onion Sets subject to change. Crops very short.

PARSNIP (Ger. Pastinake)

One ounce for 200 feet of drill; five to six pounds for an acre.

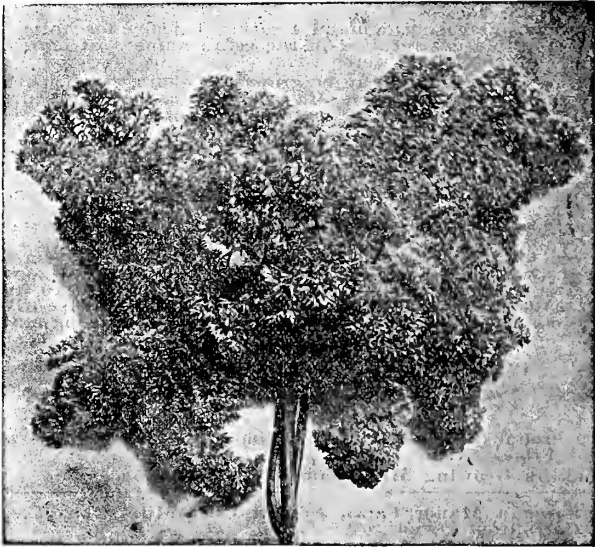
Culture—Sow as early in the Spring as the weather will admit, in drills 15 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

Improved Hollow Crown—The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

PARSLEY (Ger. Petersilie)

One ounce to 150 feet of drill.

Culture—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves, the plant will start a new growth.



Champion Moss Curled Parsley

Champion Moss Curled—A distinct variety of unequalled merit, beautifully crimped and curled. It can be cut the year round, as it rarely runs to seed. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

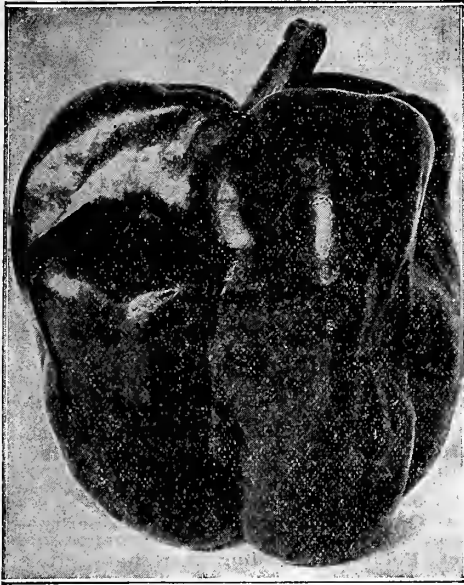
Green Mountain Parsley—Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 75c.

Plain, or Single—Very strong in flavor, but not curled. Pkt. 5c, oz. 10c, ¼ lb. 30c.

Hamburg, or Rooted—Edible roots. Pkt. 5c, oz. 10c, ¼ lb. 30c.

PEPPER (Ger. Pfeffer)

One ounce will produce 1,000 plants.

**Mammoth Ruby King**

Culture—Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

Mammoth Ruby King—Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt. 5c and 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

Large Bell, or Bull Nose—Large early variety; hot flavor, thick and fleshy. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75.

Chinese Giant—This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine

for stuffed mangoes. Pkt. 10c, oz. 35c, ¼ lb. \$1.00.

Large Sweet Spanish, or Sweet Mountain—A variety rivaling with Chinese Giant, is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75.

Neapolitan—This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

Long Red Cayenne—Long, slim, and very pungent. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75.

Small Chili—Small, red, conical pods. Very hot and prolific. Pkt. 5c and 10c, oz. 25c, ¼ lb. 75c.

Pepper Plants—Ready in May and June. Doz. 15c, postpaid 25c, 100 60c, postpaid 75c.

Red Cherry—Plant tall, bearing a profusion of round, bright red fruit which are very pungent when ripe. The plant, when in fruit, is very ornamental. Pkt. 5c and 10c, oz. 25c.

GARDEN PEAS (Ger. Erbsen)

Sow one quart of seed to 100 feet of row; one and one-half to two bushels to the acre in drills.

Culture—Peas succeed in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

Packets of all varieties of Peas, 5c and 10c.

If wanted by Parcel Post, include postage, according to zone. Weight, 1 pt., 1 lb.; 1 qt., 2 lbs.; pk., 15 lbs.

Prices on all Pea Seeds are subject to market changes.

SECOND EARLY VARIETY

M. & S. Gladstone Peas—The finest medium early in cultivation. Extra fine, large, recurved pods, well filled with peas of finest flavor; very productive, 3 feet high. Supply limited. Pkt. 10c, pt. 25c, qt. 40c, 4 qts. \$1.50, pk. \$2.50.

M. & S. Sherwood Peas—Very hardy and immense cropper, the largest-podded variety of the extra early and really may be classed a Dwarf Gradus, which variety it resembles, except that it only grows about 18 inches high and does not require any support. The vines make a vigorous growth, which enables them to withstand weather conditions unsuited to some of the large podded varieties, and the pods are well filled with large peas, which have an exquisite flavor. While the crop does not mature until a few days later than "Gradus," the quality of this new variety is equally as good. Pkt. 10c, pt. 25c, qt. 40c, 4 qts. \$1.50, pk. \$2.50.

Gradus, or Prosperity—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra-earlys, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Pt. 15c, qt. 30c, pk. \$1.50, bu. \$6.00.

Nott's Excelsior—One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. Well recommended for home use. Pt. 15c, qt. 30c, pk. \$1.75, bu. \$6.50.

Premium Gem—The round pods, two and one-half inches long, are borne on short bushes, which are well suited to small gardens. Pt. 15c, qt. 25c, pk. \$1.75, bu. \$6.00.

American Wonder—Dwarfer and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. Pt. 15c, qt. 30c, pk. \$2.00.

Thomas Laxton—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor. Pt. 15c, qt. 30c, pk. \$1.50, bu. \$6.00.

Daisy, or Dwarf Telephone—The striking features of the Daisy Pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder or Premium Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale. Pt. 15c, qt. 25c, pk. \$1.50, bu. \$6.00.

Dwarf Prolific Green Marrow—Very similar to the above. Price the same as Daisy.

Bliss Everbearing, or Abundance—Vine stout, about two and one-half feet high, bearing at the top six to ten broad pods. If these are picked as they mature and the season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. The peas are large and wrinkled, cook very quickly, are tender, of superior flavor and preferred by many to any other sort. Pt. 15c, qt. 25c, pk. \$1.50, bu. \$5.50.

MEDIUM AND LATE VARIETIES

Telephone—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color and filled with large, sweet, tender peas. Pt. 15c, qt. 25c, pk. \$1.50, bu. \$5.00.

Champion of England—A standard pea; vines grow four and one-half feet high and bear medium-sized pods of peas of good quality. Pt. 15c, qt. 25c, pk. \$1.50, bu. \$5.50.

Improved Sugar Marrow Peas—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. Pt. 10c, qt. 20c, pk. \$1.00, bu. \$4.00.

French Canner—Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. Pt. 10c, qt. 20c, pk. \$1.00; bu. \$3.75.

Tall Melting Sugar—The pods as well as the peas of this variety are edible and both very sweet. Pt. 20c, qt. 35c.

Use Farmogerm on Garden Peas and watch results. Price, 25c, 50c per bottle. Acre size, \$2.00.

Messrs DeBoy Bros., of Haleshorpe, Md., tell us that the Gradus Peas which they purchased from us the past season were the finest lot of peas that they ever had, germinating highly, producing wonderfully, and bearing a long time.

EXTRA EARLY VARIETIES

Pedigree First and Best—An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.25.

Prolific Early Market—This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.75.

Good Luck Peas—Fine extra early variety; very prolific. Good for market or home garden. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.75.

Extra Early Alaska—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.25.

Long Podded Alaska—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Pt. 15c, qt. 25c, pk. \$1.25, bu. \$4.75.

M. & S. Little Marvel Pea—An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs and are closely filled with seven to eight peas of extra fine flavor. Pt. 15c, qt. 25c, pk. \$1.50, bu. \$6.50.

Six first-class Peas which will mature according to rotation: E. E. Alaska, Prolific Early Market, "M. & S." Little Marvel, Gradus or Prosperity, Daisy or Dwarf Telephone, Telephone

**Good Luck Peas**

PUMPKIN (Ger. Kurbiss)

One ounce of seed will plant fifteen hills; three to four pounds plants an acre.

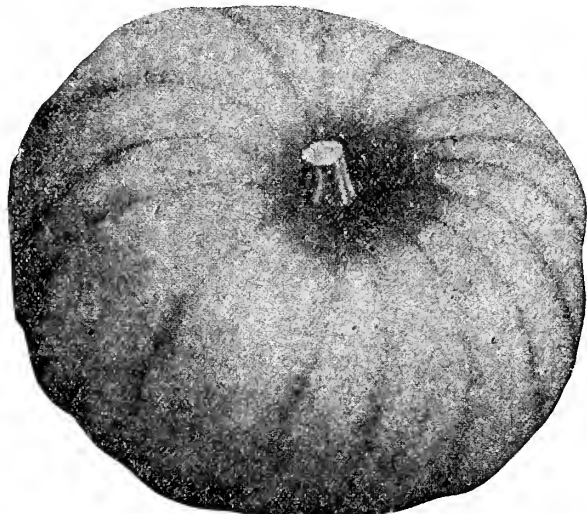
Culture—Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects, are cultivated in a similar manner. Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close. You will find that eight to ten feet apart each way is much better than closer planting. It is preferable to grow large quantities of Pumpkins as a special field crop, and not in the kitchen-garden, as they always mix so badly with squashes and other vines. The few you do need to grow in the home-garden you should put in your most remote corner. You will, of course, sow some amongst your corn, putting in a few seeds, say every third or fourth hill, after the last working; this will give you plenty for the table and your stock the coming Winter.

Cushaw, or Winter Crookneck—An old standard variety, which is very popular. It is also used for feeding stock. Long green striped crookneck, fine grained yellow flesh, very solid. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Japanese Pie—Flesh very thick, rich salmon color, fine grained, dry and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

Tennessee Sweet Potato—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first-rate keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Cheese—Shape flat like a cheese box; good keeper, popular. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



Kentucky Field Pumpkin

King of the Mammoths, or Pot Iron—An immense variety, which always wins prize offered for the largest and best pumpkins grown to weigh over 200 pounds. Flesh of a rich golden yellow; a splendid keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Kentucky Field Pumpkin—Large, flat; fine for pies or stock. Pkt. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Common Yellow, or Connecticut Field—Very productive; for feeding stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

POTATOES (Ger. Kartoffeln)

Ten bushels cut tubers will plant one acre.

Culture—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed care should be taken that at least one good eye, or two small ones, is allowed to each piece. Sandy loam produces the best potatoes.

Time of Shipment—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Prices on quantity of Potatoes furnished on application. Potato prices subject to market fluctuation.

Red Bliss—Very early, thin red skin, round, white flesh. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

White Bliss, or Pride of the South—Productive and extra early. White skin and flesh. Round. Pkt. 50c, bu. \$1.75, bbl. sack, \$4.50.

Irish Cobbler—This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set. Considering its earliness, productiveness and excellent quality, we do not hesitate to recommend this as one of the best early varieties. Pk. 50c, bu. \$1.50, bbl. sack \$4.25.

Houlton Early Rose—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years. It is preferred because it is a little earlier than the old Early Rose. A description of this variety is needless, as almost everyone knows of its excellence in quality and as a cropper. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

M. & S. Fill Basket—On account of the large yields that have been reported of this potato, our sales on it have increased wonderfully. It is of a handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous, and tubers always good size where soil is well tilled. Our customers will find the M. & S. Fill Basket a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts. Pk. 60c, bu. \$2.00, bbl. sack \$5.00.

Bovee—This variety is of recent introduction, and its general good qualities have attracted much attention. More productive and earlier than the Early Rose. Pink, or flesh-color, smooth, uniform marketable size; dwarf stock vine permits close planting. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

Crown Jewel—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

Beauty of Hebron—It is a very rapid and vigorous grower, ripening fully as early as the Early Rose, which it resembles, but frequently exceeds in productiveness and excellence for table use. A very good keeper. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

Early Ohio—This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

Burbank—We have very fine stock of this old reliable late potato. The Burbank is of excellent quality, yields well and is a splendid keeper. Pk. 50c, bu. \$1.75, bbl. sack \$4.50.

Improved Green Mountain—For a main crop later potato we consider this variety one of the best. It is very white, has an excellent flavor, and is very productive. Popular with those who have tried it. Pk. 50c, bu. \$1.75, bbl. sack \$4.00.

Early Norther, New Queen, Carmen No. 3, Prosperity—All choice northern stocks. Prices furnished on application.

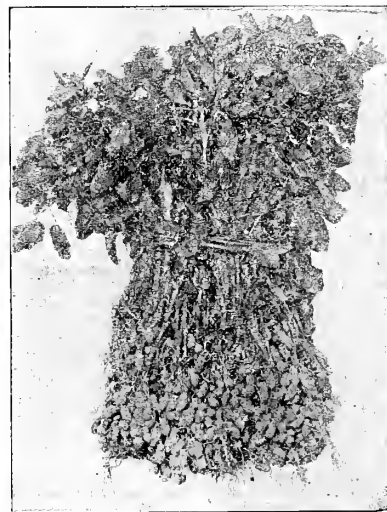
Choice Seed Sweet Potatoes, Leading Varieties—Prices on application.

Sweet Potato Plants—Ready in May and June. 100 30c, 1000 prices furnished on application.

PEANUTS (Ger. Erdnuesse)

For medium light, loamy or sandy land. Peanuts are one of the most profitable crops that can be grown. They yield very largely—yields of 50 bushels per acre being reported on land too poor to plant in corn. In addition to the yield of nuts, they yield quite largely of nutritious forage, and will yield ordinarily about a ton of excellent dry forage per acre, in addition to the crop of nuts.

Culture—Peanuts should be shelled before planting. They should be planted in May or early June, in rows about two and one-half to three feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a small turn-plow



throw the dirt to the nuts. Do not cultivate too late in the season, as late cultivation is likely to injure the formation of the nuts. It is also advisable to make an application of lime, scattering it on top of the row just after planting, and to use a top-dressing of land plaster just after the last working. Peanuts require plenty of lime to make first-class nuts, and the use of lime and plaster as above mentioned is recommended by the most successful growers.

In harvesting, plow the Peanuts and then stack against stakes stuck into the ground, the roots with the Peanuts on them to the center, and the leaves outside.

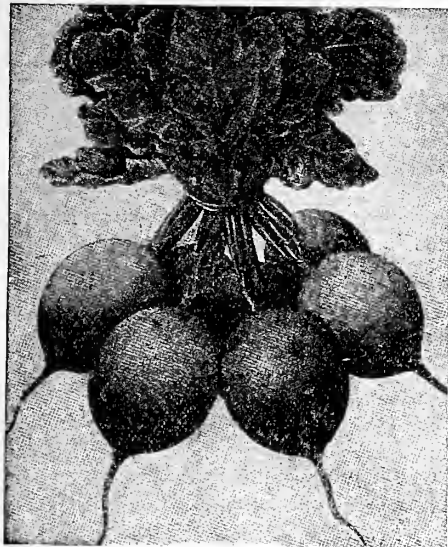
The Peanuts we offer are selected from the best and most productive crops grown in Virginia. Peanuts are one of the most profitable and satisfactory crops that are grown in the South, and we recommend to all our customers, even if they do not plant for market, to plant at least a small patch of Peanuts for home use.

M. & S. Improved Jumbo Peanuts (Shelled)— $\frac{1}{4}$ lb. 10c, $\frac{1}{2}$ lb. 15c, lb. 25c. Special price on large quantity.

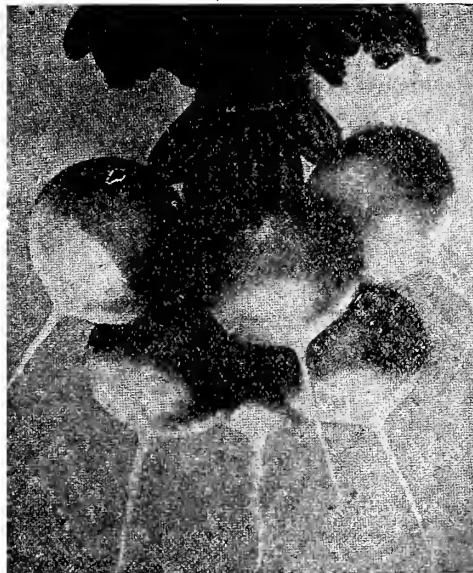
Doughoregan Manor, Ellicott City, Md., Oct. 20, 1915.

Dear Sirs:—I find the Irish Cobbler Potato the best Potato I have ever grown. From one sack, which you furnished the Manor, I had a return of 75 bushels. And I will gladly recommend it to anyone. I would like to see this printed in your 1916 catalog.

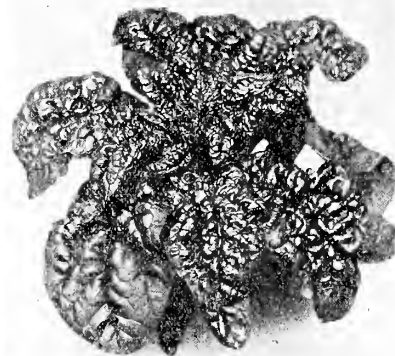
Sincerely yours,
P. OATES.



Ruby King Extra Early



White Tipped Scarlet Globe



Victoria Spinach

RADISH (Ger. Radies)

One ounce for seventy-five feet or drill; nine to ten pounds in drills to one acre.

Culture—To be tender and crisp, Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days, in a light, rich, deeply worked soil. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

EXTRA EARLY VARIETIES

White Tipped Scarlet Globe—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Ruby King, Extra Early—Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. The best round red Radish that grows. Pkt. 5c, oz. 10c, ¼ lb. 20c, ½ lb. 30c, lb. 50c.

Scarlet Globe, Early—This variety can be used for forcing and is recommended for early outdoor planting. It is a small, round, red radish, of excellent flavor. Its rich, crisp, tender flesh makes it very popular. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Crimson Giant—An extra early radish, good for forcing or outdoor growth. It is nearly round in shape, remarkably solid, crisp and juicy. It will grow double the size of ordinary red forcing radishes, and still remain hard and solid. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

White Turnip (Short Top)—Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

French Breakfast, Early—Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Early Long Scarlet Short Top—The principal outdoor quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Icele—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

White Strasburg—Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c.

New Glass, or Cincinnati Market—A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

SUMMER VARIETIES

Golden Globe—A favorite Summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Large White Stuttgart—Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for Winter. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Large White Summer Turnip—Round, smooth and very white; crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

WINTER VARIETIES

White Chinese, or New Celestial—Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will

find this a good variety that sells readily. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

Long Black Spanish—Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Round Black Spanish—Like the above except that it is round shape. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Long White Spanish—Like the Long Black Spanish, only different in color. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

China Rose, or Scarlet China—Bright rose-colored, stump-rooted, of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Sakurajima (Mammoth Japan)—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as twenty-one inches long and forty-three inches in circumference. Thin well to allow of proper development. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

RHUBARB (Ger. Rhabarber)

Culture—Sow seed in a cold-frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed. When roots are set out, plant them four or five feet apart each way, and keep the weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

Victoria—The leading variety. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c.

Roots—Extra large and two-year-old. Each 15c, doz. \$1.00, 100 \$7.50.

Crop very short, price subject to change any moment.

SPINACH (Ger. Spinat)

One ounce will sow fifty feet of drill; fifteen to twenty pounds to an acre.

Culture—Sow in early spring, in drills a foot apart, every two weeks for a succession, and, as it grows, thin out for use. For Fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

Bloodsdales Savoy Leaved—The popular Fall spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Oz. 5c, ¼ lb. 10c, lb. 25c, 5 lbs. \$1.00.

Victoria—A favorite for early Summer. It is one of the darkest in color, and with exception of the heart; the leaves are comparatively smooth. Oz. 5c, ¼ lb. 10c, lb. 30c, 5 lbs. \$1.25.

Long Season—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat remarkably well, in fact better than all others, and remains a long time in condition for use before going to seed. Pkt. 5c, ¼ lb. 10c, lb. 30c, 5 lbs. \$1.25.

New Zealand—Distinct from the ordinary Spinach in appearance. The plants are more spreading in growth with small, very dark green leaves, which may be had throughout the hot Summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

SALSIFY, OR OYSTER PLANT (Ger. Hafer Wurzel)

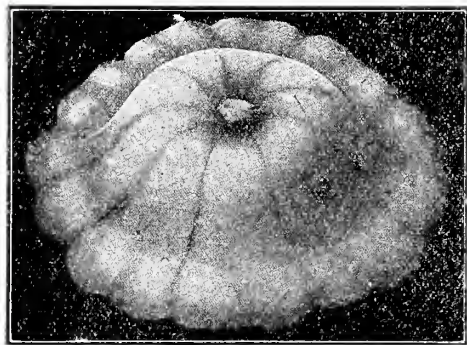
One ounce to seventy feet of drill; about eight pounds to the acre.

Culture—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

Mammoth Sandwich Island—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way, invaluable to market gardeners and truckers. Pkt. 5c and 10c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

SQUASH (Ger. Gemuese Kurbiss)

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.



Early Mammoth White Bush

Culture—Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their

rough leaves and danger from bugs is over, leaving three to four of the strongest plants per hill.

Early Mammoth White Bush Squash—An excellent strain. Early, prolific, and much larger than the old White Bush. Splendid for market and best for shippers. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c.

Summer Crookneck, Bush Variety—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c.

Hubbard—An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits, with dark-green skin and very rich flesh. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Golden Hubbard—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Boston Marrow—This is a large-fruited, hard-shelled sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine and extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

SORREL, OR SOURGRASS (Ger. Sauerampfer)

Culture—Sow in Spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large French—Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25.

TOMATO (Ger. Liebesapfel)

We Pay Postage on All Tomato Seed.

One ounce for 1500 plants; quarter pound (to transplant) an acre.

Culture—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set out four or five inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground, in hills three or four feet apart each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

Extra Early Mascot—We pronounce this new Tomato the best extra early we have seen. Compared with Earliana it is five days earlier, a heavier cropper, fruits fully as large, but thicker through from stem to blossom end, more solid and of a deeper red color. It ripens close up to the stem. It is quite dwarf with little foliage, but very compact. It is the greatest yielder we have ever seen. We have counted fifteen marketable fruits on a single crown setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. Being a small-vined sort, it requires high cultivation to bring out all its good qualities. Pkt. 5c and 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

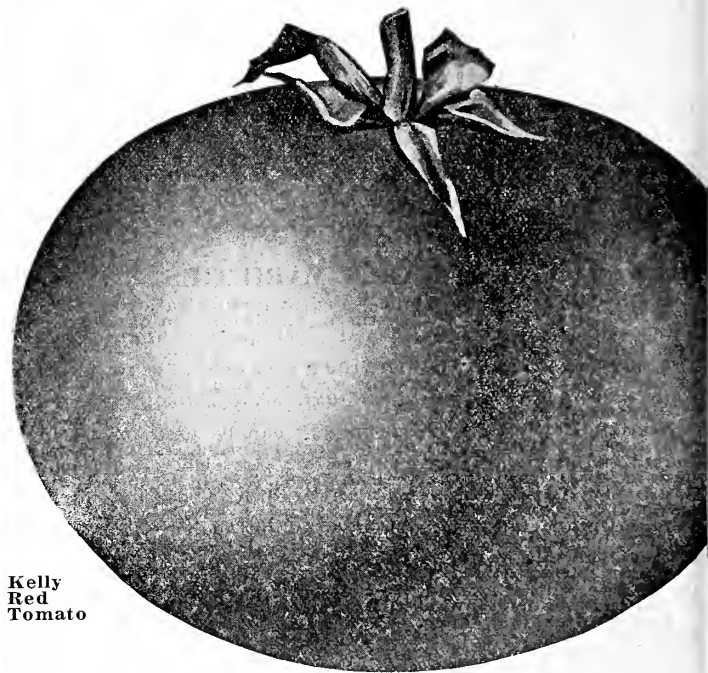
Extra Early I. X. L.—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. Pkt. 5c and 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

Sparks Earliana—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Pkt. 5c and 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

Chalk's Early Jewel—The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt. 5c and 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

King of the Earliest—One of the largest Early Red Tomatoes which well deserves its name. Pkt. 5c and 10c, oz. 25c, ¼ lb. 60c, lb. \$2.00.

Bonnie Best—A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. Pkt. 5c and 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.



Kelly
Red
Tomato

John Baer—This tomato compares with Bonnie Best, but grows much heavier foliage and larger fruit; is also more productive. While not as early as the Earliest, it will pick some fruit quite early; the bulk of the crop coming five to seven days later. It is a good, all around tomato, the fruit being smooth, ripening clear to the stem and of a good rich red color. Pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$4.00.

June Pink—For gardeners who have a market for an early purplish-pink fruit (which is produced in clusters.) This is the variety to plant. True strain seed. Pkt. 5c and 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

Beauty—Splendid for early market and shipping. Purplish tinge, excellent quality. A fine variety for home gardens. A good yielder. Pkt. 5c and 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

Livingstone's Globe—Glossy rose-color, tinged with purple, very early, smooth and of large size; very productive and a good keeper. A standard variety which retains its popularity, very popular with Southern Growers. Pkt. 5c and 10c, oz. 25c, ¼ lb. 80c, lb. \$3.00.

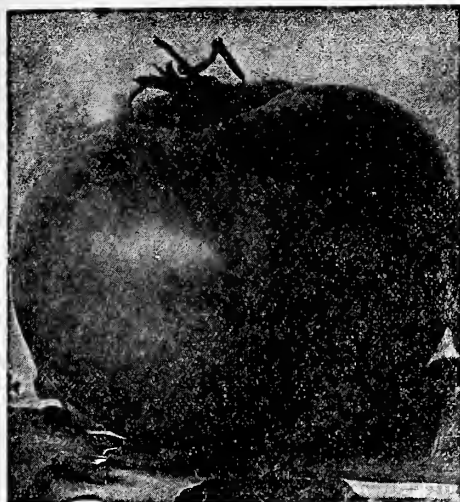
New Queen—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt. 5c and 10c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

Filston Manor, Glencoe, Md. Wm. H. Griffin, Owner.

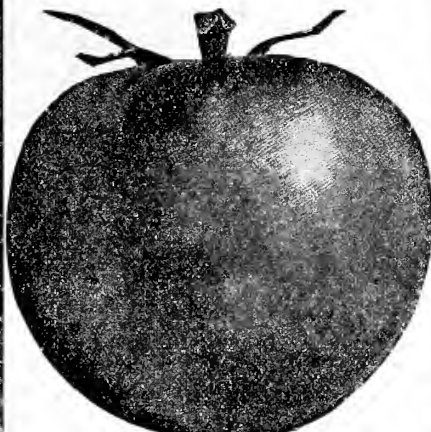
I have had dealings with you for more than three years purchasing various implements, etc.

The seed obtained from your firm produced magnificent plants and were admired by those who saw them. I consider your store one of the most reliable in existence. You are always obliging and prompt in every possible way and endeavor to give satisfaction to every one.

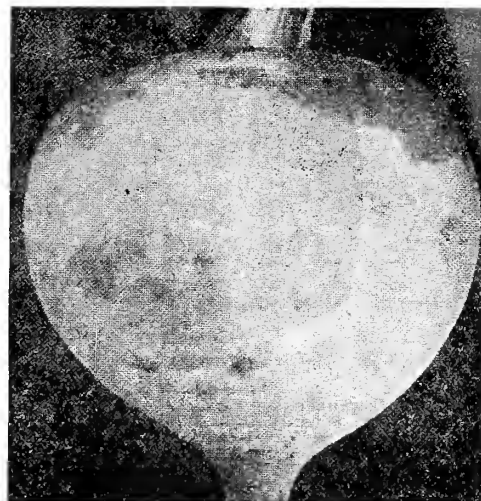
(Signed) CHAS. UFFLER, Mgr.



Extra Early Mascot



Livingstone's Globe



Red or Purple Top White Globe

Maryland Pride—A fine tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Pkt. 5c and 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

New Stone—This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Kelly's Red—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Greater Baltimore—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.

B. B. (Brinton's Best)—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Pkt. 5c and 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Ponderosa—Remarkably large and of fine quality. Very solid. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.25.

Dwarf Champion—Stems short, thick, stiff, almost self-supporting. Fruit large, round, red-tinged purple, borne in showy clusters. A good variety. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Dwarf Aristocrat—Like Dwarf Champion, but red-fruited. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Golden Queen—Bright yellow, large and solid. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Yellow Pear and Yellow Plum—Two small-fruited kinds for preserves. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Red Pear—Pear-shaped red. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Peach—Very small, pink fruit, with slight peach bloom on skin. Pkt. 5c and 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Tomato Plants (Of all leading, popular varieties). Ready in April. Dozen 15c, 100 \$5.00.

Special prices on Tomato Seed to Cannery and Grangers who buy in large quantities.

TOBACCO SEED

Connecticut and Pennsylvania Seed Leaf—Pkts. 5c and 10c, oz. 25c.

Havana Seed Leaf—Pkts. 5c and 10c, oz. 35c.

Gentlemen:—

It affords me great pleasure to let you know that during the past season I picked 100 bushels of Peas to 1 bushel of planting of your Extra Early Alaska Peas. Yours truly
M. M. CHANEY, Brooklyn, Md.

Gentlemen: I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn. Most respectfully,
MRS. J. J. GEORGE, Long Green, Md.

TURNIP (Ger. Ruebe)

One ounce for 100 feet; two pounds to the acre.

Culture—For early use sow as soon as the ground opens in Spring, drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow every two weeks until June; for Fall and Winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

Crop very short, price on all varieties subject to change any moment.

Red, or Purple Top White Globe—A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

Extra Early Purple Top Strap Leaved—The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

White Egg—A quick growing, egg-shaped variety. Very smooth, pure white, grow half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. Pkt. 5c, $\frac{1}{4}$ lb. 15c, lb. 45c.

Yellow, or Amber Globe—Excellent for table use or stock. Fine quality, keeps well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Pomeranian White Globe—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Purple Top Yellow Aberdeen—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Improved Purple Top Ruta Baga, or Swede—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor, Ruta Bagas should be sown about one month earlier than other turnips. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Cow Horn—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring, in connection with rape. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Seven Top—Grown exclusively for its tops, and when properly prepared and cooked make a fine dish. Withstands our winter without any protection. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

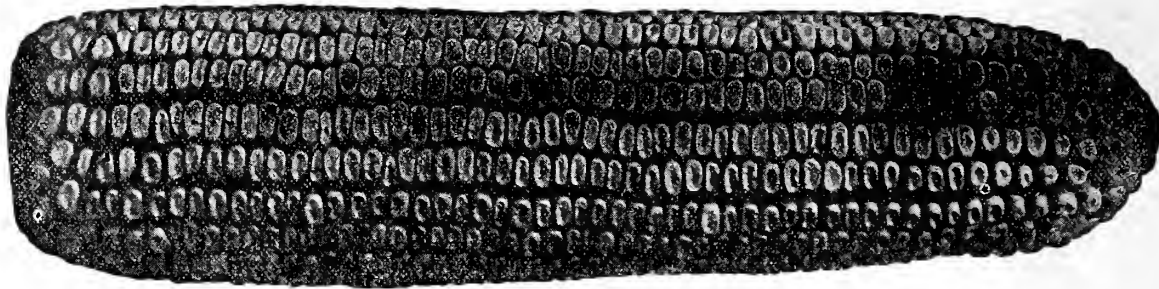
I raised the largest yellow corn ever grown around the Rapahannock River, from Collier's Success Corn, for which I paid you \$2.50 per bushel. Some ears measured 15½ inches after husking and a great many stalks had two ears on more than half of them. Yours truly,
J. C. KREETE, Dumsville, Va.

Endwood Sanatorium, Towson, Md.

It is a pleasure to recommend your firm for its promptness and the quality of goods turned out.
(Signed) EUDOWOOD SANATORIUM.

FIELD CORN (Ger. Maiz)

Eight quarts to the acre.

**Collier's Success**

Collier's Success—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. $\frac{1}{4}$ pk. 25c, pk. 75c, bu. \$2.50.

Yellow Leaming—We have a very choice strain of this early, drought-resisting variety. It makes a fair-sized ear, with deep, well-shaped grains, and will mature in 90 days. $\frac{1}{4}$ pk. 25c, pk. 60c, bu. \$1.75.

Golden Beauty—Large, broad-grained yellow corn. Ears are well filled out. A heavy yielder. $\frac{1}{4}$ pk. 20c, pk. 60c, bu. \$1.75.

Maryland Yellow Dent—Large ear; moderate size stalk; withstands drought well. $\frac{1}{4}$ pk. 20c, pk. 60c, bu. \$2.00.

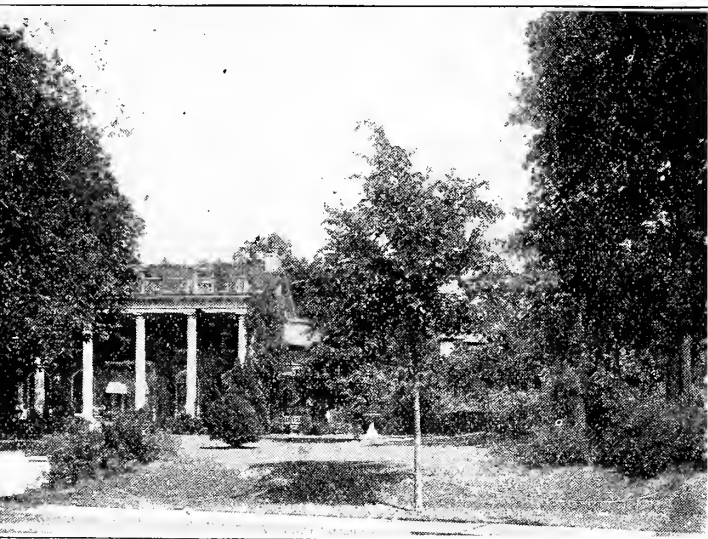
Hickory King—A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally bears two ears to the stalk and occasionally three. $\frac{1}{4}$ pk. 20c, pk. 75c, bu. \$2.00.

Boone County White—Recommended by the Agricultural Experimental Stations. A fine, large, deep-grained variety, originated by one of the best corn breeders. $\frac{1}{4}$ pk. 20c, pk. 75c, bu. \$2.00.

Collier's Excelsior—White corn, especially adapted for hominy corn on account of its flintness. Great producer on poor soil. $\frac{1}{4}$ pk. 20c, pk. 75c, bu. \$2.00.

Red Cob Ensilage Corn—Pk. 75c, bu. \$2.00.

Virginia Horse-Tooth Ensilage Corn—Pk. 75c, bu. \$2.00.

M. & S. CELEBRATED LAWN AND FIELD GRASS SEED MIXTURES**M. & S. ROLAND PARK LAWN GRASS**

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future depends upon the start or foundation of the lawn, which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvety appearance throughout the entire summer and fall. In making up this brand we are careful to use seed that has been thoroughly re-cleaned, the light seed and chaff having been blown out. $\frac{1}{4}$ lb. 10c, $\frac{1}{2}$ lb. 15c, lb. 25c, 5 lbs. \$1.10, bu. of 20 lbs. \$4.00.

M. & S. Shady Nook Grass—It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places; for sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations

where a green sward was desired on land partially shaded by old trees. $\frac{1}{4}$ lb. 20c, lb. 30c, 5 lbs. \$1.35, bu. of 20 lbs. \$4.75.

M. & S. Pleasure Grounds Mixture—For fair greens, golf links, athletic grounds, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvety lawn, hence the need of a fine mixture. Lb. 25c, 5 lbs. \$1.00, bu. of 20 lbs. \$3.75.

M. & S. Terrace Mixture—For embankments and terraces. Lb. 25c, 5 lbs. \$1.00, bu. of 20 lbs. \$3.75.

M. & S. Special Grass Mixture for Hay and Pasture—M. & S. Pasture Mixture is prepared to meet the average need. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. Its formula is based upon successful experience. For all ordinary permanent pasturage it will be found entirely satisfactory. Bushel of 14 lbs. \$2.75.

White Clover. (*Trifolium repens*)—Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring or Fall. In mixtures, two pounds; if alone, ten pounds to the acre. Fancy re-cleaned seed. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 30c, lb. 60c.

**LANDSCAPE GARDENING—
A New Innovation**

If you want to lay off a new place in shrubs or flower beds, give us the size of your lot, and our landscape expert will make suggestions **FREE** of charge.

We are constantly in touch with leading Landscape Gardeners and are best prepared to lay off your gardens to be a show place in your community.

Mr. A. T. Chalk, Superintendent of "Homewood," the Athletic Field of the John Hopkins University, states that the grass seed purchased of us gave quicker and better results than any other he has ever sown.

A few of the many testimonials received on the merits of M. & S. Grass Seeds:

Gentlemen: It affords me great pleasure to state that I have never had such wonderful results before as I have had with your M. & S. Roland Park Lawn Grass Seed.

Respectfully, Rev. W. P. DAME,
1409 Bolton St., Baltimore, Md.

James W. Spencer, Gardener at Roland Park, inform us that he has never had such excellent results in making lawns as he has had since using our M. & S. Roland Park Lawn Grass Seed.

On December 6, 1913, Mr. J. W. Zimmerman, of Montebello Park, quotes as follows: "I planted your Roland Park Lawn Grass Seed to make a new lawn. It has been cut three times, and could be cut again if the season was not so far advanced."

Grass Seeds

Write for prices and samples in larger quantities.

We desire to call special attention to the following list of Agricultural Grasses, which will, we think, be found very comprehensive, both as to varieties and descriptions. We are devoting a great deal of time to this most important subject and this department has already become an extensive one with us. Having learned by experience that the so-called imported grasses which are offered by those making a specialty of them in this country are very far from reliable, both as regards purity and quality, we found it necessary to import all our seeds of this character direct. We have accordingly made arrangements for our stocks with one of the most prominent growers of Agricultural Grasses on the Continent, who by virtue of many years' experience in growing seeds of this peculiar character, has become the recognized headquarters for same. This will enable us to furnish our customers with the very best, and that which we know to be free from all adulteration.

Kentucky Blue Grass (*Poa Pratensis*)—One of the most widely distributed and valuable native grasses, combining more points of excellence than any other. It is a true perennial, lasting indefinitely and improving every year. Densely creeping root-stalks, spreading habit, smooth even growth, fine texture and rich green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the Spring, and lasts till frost. It succeeds with almost any soil, dry, rocky, sandy or gravelly, and stands the long-continued dry weather and hot suns. It takes, however, two to three years to become well established, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of the most valuable pasture grasses, very productive and nutritious. **Lb. 20c, bu. of 14 lbs. \$2.00.**

Rhode Island Bent—The distinctive feature of this species is its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots form a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens. **Lb. 45c, 10 lbs. \$4.00**

Crested Dog's Tail (*Cynosurus cristatus*)—A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and is therefore, excellent in mixture with that sort. **Lb. 40c, 10 lbs. \$3.75.**

Fancy Red Top, Herd's Grass (*Agrostis vulgaris*)—A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a close, matting turf that is not affected by trampling. **Lb. 25c, 10 lbs. \$2.00.**

Meadow Fescue (*Festuca pratensis*)—This makes a most excellent hay and pasture grass, and is practically valuable for Fall and Winter pasture, as it remains green throughout the Winter. It is also splendid Spring and Summer grass, and usually makes more and thicker leafage than any other grass we have ever grown. It is very popular in Southwest Virginia, East Tennessee and the mountainous district of North Carolina, where it is very highly appreciated as a large-yielding, nutritious pasture and hay grass. **Lb. 25c, 10 lbs. \$2.00.**

Orchard Grass; Cocksfoot (*Dactylis glomerata*)—One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that

plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and is also by heavy rolling in the Spring. But it is quite unsuitable for lawns. **Lb. 25c, bu. of 14 lbs. \$2.50.**

Pacey's Perennial Rye Grass (*Lolium perenne*)—Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. **Lb. 15c, 10 lbs. \$1.25.**

Timothy (*Phleum pratense*)—A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, if left later the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by this mixture. Height, two to three feet. If sown alone, at least one-half bushel to the acre should be used. The seed weighs 45 pounds to the bushel. Several grades are always on the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." **10c per lb.**

Wood Meadow Grass (*Poa nemoralis*)—The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the Spring. The creeping roots are formed under ground, and make a good turf and should be included in all putting-green mixtures. It is excellent for pasture. **Lb. 45c, 10 lbs. \$4.00.**

M. & S. Special Grass Mixture for Hay and Pasture—M. & S. Pasture Mixture is prepared to meet the average need. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. Its formula is based upon successful experience. For all ordinary permanent pasturage it will be found entirely satisfactory. **Bushel of 14 lbs. \$2.75.**

SUDAN GRASS

A NEW FORAGE CROP OF IMMENSE VALUE TO THE FARMERS OF THE UNITED STATES
SUDAN GRASS AND ITS VALUE

Hoard's Dairyman says that possibly no other crop ever introduced into the United States became so generally popular in so short a time as Sudan Grass. It has been in this country only a little more than 5 years, and if it has ever made an enemy he is keeping his feelings to himself. Its friends are many, not only in Texas, where the great bulk of the crop is to be found, but in practically every other state in the Union, and when fed to various kinds of live stock it is relished by all. The enthusiasm of those who have seen it spreads like wildfire, and if there be a farmer who is not a booster for Sudan Grass it is simply because he has not seen the crop grown or has not been able to secure the seed.

It gives a highly profitable yield of palatable, nutritious hay. It is adapted to practically every soil type and climate con-

Sudan Grass continued on next page



SUDAN GRASS—Continued

dition to be found in the United States south of the northern tier of States. It is especially appreciated in the Middle and Southern States because it is an annual grass crop which may be rotated with corn, cotton or other crops in a manner such as clover.

It is appreciated because of its wonderful drouth resistance and consequently heavy yielding qualities under semi-arid conditions. It is appreciated in many parts where types of soil and other conditions are not suitable for timothy and clover crops. It is also destined to be grown in timothy growing sections for the reason that it is a more prolific yielder and furnishes more hay at a different season. In the Western States under irrigation it is outyielding alfalfa.

The yield of seed varies from 200 to 1250 pounds to the acre. It is regarded as the most valuable hay grass ever grown in this country; it is extremely bushy and attains a height of from 5 to 8 feet and furnishes an endless amount of magnificent and highly nutritious hay, and a yield of from 5 to 9 tons per acre is not unusual. We recommend it for trial and give it our unqualified endorsement.

Another point which speaks sell for Sudan Grass, is that the hay is relished by live stock even when grown for seed and the seed thrashed off. Work horses, mules, milk cows and dry cattle eat it readily. Sudan grass is very tender and palatable, and has a sweetish taste and pleasant odor which cause it to be relished by all kinds of farm stock, and very especially dairy cows.

Dairymen are proud of Sudan Grass because they feel that it means more for the dairy business in the United States than has been done in behalf of the industry for many years, and we certainly commend this crop to every milk producer in the United States, south of the Northern tier of States.

Seeding—Sudan Grass should not be planted until the soil has become warm in the Spring. It can be sown any time during the Summer as a catch crop as long as 40 to 80 days intervene before frost. It can be sown in rows 18 or 42 inches apart and cultivated like corn, or it can be drilled with a grain drill or sown broadcast by hand. If sown broadcast use from 10 to 15 pounds of seed per acre; this gives an excellent stand because of its wonderful stooling habit, one seed producing from 20 to 200 culms of stems and it has a record of 500 culms from a single seed. It is a crop therefore that adjusts itself to the land automatically. Northern grown seed is best.

Harvesting—It can be cut by a mower and cures readily the same as millet or any other hay crop. Cut just after full bloom. After cutting it renews itself promptly. In about 40 days another cutting is ready. In 1912 four cuttings were secured in Texas. Ordinarily two or three cuttings may be had in the central United States. Price of Pure Northern Grown Seed, pkg. 15c, 1 lb. 50c postpaid, by express or freight 1 lb. 35c, 5 lbs. \$1.75, 10 lbs. \$3.00.

CLOVER SEEDS

(Write for Samples and Prices in larger quantities.)

White Clover. (*Trifolium repens*)—Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone, eight or ten pounds to the acre. $\frac{1}{2}$ lb. 15c, $\frac{1}{2}$ lb. 30c, lb. 60c.

Alfalfa, or Lucerne. (*Medicago sativa*)—Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great drouths. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late

as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. Lb. 25c.

Alsike, or Hybrid Clover (*Trifolium hybridum*)—A perennial, one to three feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes, and can withstand severe cold. A good honey plant for bees. Fifteen pounds to the acre. Lb. 25c.

Red Clover. (*Trifolium pratense*)—One of the most valuable farm crops of the eastern States for pasture, hay, or for turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sown in the Spring at the rate of 15 pounds to the acre. Lb. 25c.

Mammoth Red, or Sapling Clover—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb. 25c.

Crimson, or German Clover. (*Trifolium incarnatum*)—Erect annual, one to two feet high, with bright-scarlet flowers. A native of Southern Europe, it is largely grown in the South for improving the soil by turning under. It will not stand severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb. 15c.

Sweet White Blooming, or Bokhara Clover. (*Mellilotus alba*)—Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil may be cut three times; lasts for years if cut before flowering. 15 lbs to the acre. Per lb. 35c.

FORAGE AND MISCELLANEOUS SEEDS

Write for samples and prices in larger quantities.

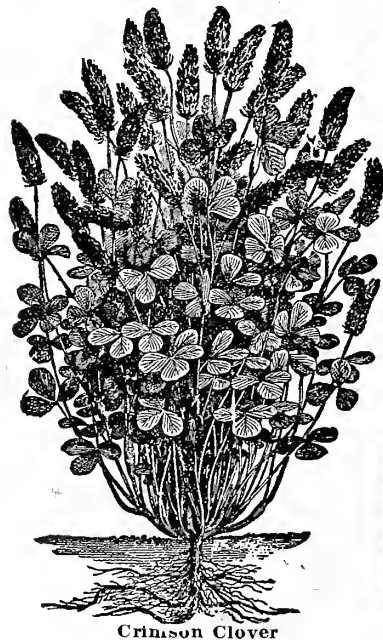
German, or Golden Millet. (*Panicum Miliaceum* var.)—An improved variety, medium early, growing three to five feet high. Heads are closely condensed, though the spikes are very numerous. During the past few years the fact has been established beyond doubt that seed of the German, or Golden Millet grown in Southern latitudes will produce a much larger yield of hay than from seed grown in Northern or Western sections of the country, and for that reason is far better for farmers to sow. Lb. 5c.

Hungarian Grass, or Millet. (*Panicum Germanicum*)—A species of millet growing less rank with smaller stalks, and often yielding two or three tons of hay per acre. It is very popular and valuable. Like the common millet, it is an annual, and requires to be sown every season, but will produce a larger return than almost any other crop. Lb. 5c.

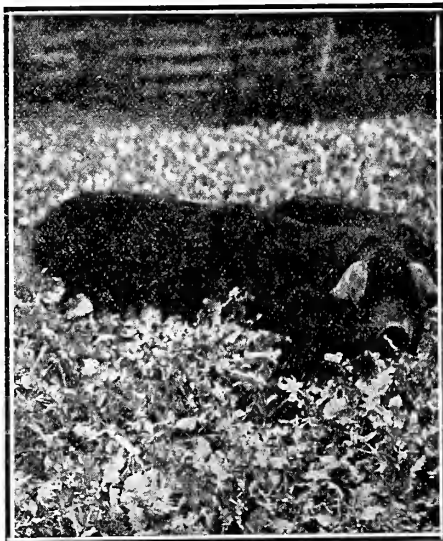
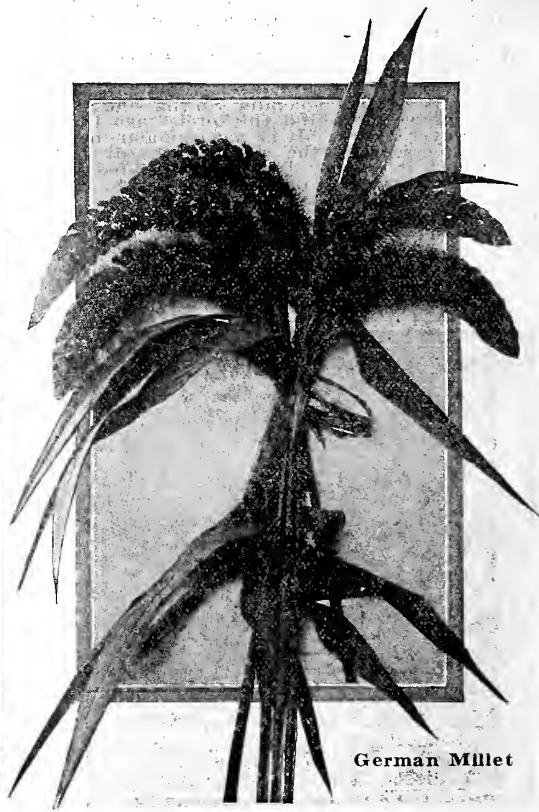
Barley, Oats, Rye, Wheat—Market prices.

Broom Corn. (*Sorghum vulgare*)—Succeeds in a good, deep soil, fresh but not damp; very sensitive to cold. Long-brush Evergreen. Lb. 10c.

Soja Bean. (*Glycine hispida*)—Thrives well in hot and dry weather. Valuable for the South. Does not make good hay, but is good as ensilage or green fodder. Market prices.



Crimson Clover

Grazing in Rape Field.
(See page 19)

German Millet

Cotton. (*Gossypium*)—Upland Big Boll. Very prolific. Lb. 20c.

Cow Peas. (*Vigna Catjang*)—Specially adapted to warm countries; extensively grown in our Southern States; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm.

Black, Black-Eyed, Clay, New Era, Whippoorwill—Market prices.

Japanese Buckwheat—In the locality of Baltimore this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcast to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. This variety produces brown seed, is very prolific, maturing fully a week earlier than "Silver Hull" variety. It makes a very fine quality of flour, but is chiefly used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature in following season. Buckwheat frequently yields as much as 80 bushels to the acre. 15c per qt., pk. 50c.

Peas—Canadian Field—Valuable for Northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two to three bushels to the acre. Market price.

Rape—Dwarf Essex English. (*Brassica napus*)—Largely grown in the Northern United States and in Canada. It is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; sown broadcast, ten pounds to the acre. Lb. 10c, per 100 lbs. \$8.00.

Kafir Corn—The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. The seed making excellent chicken and pigeon food. Lb. 10c.

SORGHUM, OR SUGAR CANE

Early Amber—Ripens wherever Yellow Corn matures. Grows 10 to 13 feet high. Fine for cows, either green or cured. Lb. 10c.

Early Orange—Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb. 10c.

Sunflower—Large Russian—Lb. 10c.

Vetches—Spring Tares. (*Vicia sativa*)—Sown broadcast at rate of 60 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Price variable.

Sand, Winter, or Hairy Vetch. (*Vicia villosa*)—Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable.

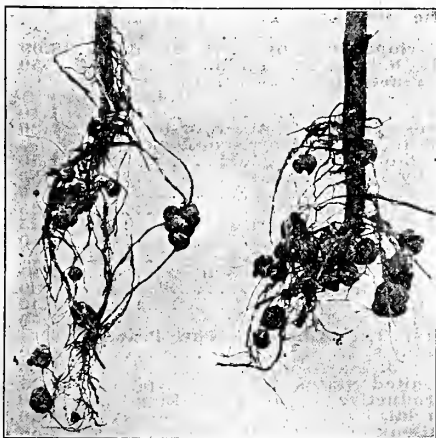


FIELD OF SOY BEANS



Field of Vetch

"FARMOGERM" NITROGEN GATHERING BACTERIA



Nitrate Sacks, or Nodules, on Cow Pea Roots

ten minutes. This inoculation not only increases the crop in weight, but also in richness, and deposits in the ground upon legume roots great quantities of nitrates.

"Alfaifa" — The greatest forage crop known is now grown with great success in all sections. This wonderful crop can be grown wherever the soil has good drainage — seed bed well prepared and seed inoculated. The Agricultural Experiment Stations have demonstrated that the reason for failure to grow Alfaifa is because of the absence of the proper bacteria in the soil, and by the use of Farmogerm inoculation upon the seeds this condition has been overcome, and Alfaifa is a decided success. Farmogerm will provide all inoculations for Alfaifa or any other legumes. It comes in bottles ready for use. You can inoculate the seed for ten acres in

TEST YOUR LAND FOR ACIDITY

Get a few cents worth of Blue Litmus paper from your druggist. Secure a handful of soil from about an inch below the surface. If soil is very dry moisten with a little rain water. Place a strip of Litmus paper between two layers of your soil

sample, allow this to remain for an hour or two. Remove the paper and examine. If the paper has turned **Pink** the land is acid and you need Lime to get the best results with Legumes. A few cents for Litmus paper and a few moments work may make a big difference in your crops.

FARMOGERM

In ordering Farmogerm state what Legumes you want it for.

Farmogerm is put up in one acre, five acre, fifty acre and one hundred acre sizes, for the following crops: Cow Peas, Soy Beans, Peanuts, Red Clover, Mammoth Clover, Sapling Clover, Crimson Clover, White Clover, Alsike Clover, Berseem Clover, Lespedeza Clover, Burr Clover, Alfaifa, Garden Peas, Garden Beans and other Legumes.

Also Mixed or Composite Cultures—

No. 1—Good for Red, White, Crimson, Alsike, Mammoth and Berseem Clovers.

No. 2—Good for Alfaifa or Lucerne, and Sweet Clover.

No. 3—Good for Vetch and Canada Field Peas.

No. 4—Good for Soy Beans and Cow Peas.

No. 5—Good for Garden Peas, Garden Beans and Sweet Peas.

Half garden or twenty-five cent, and garden or fifty cent sizes, for the following crops only: Garden Peas, Garden Beans and Sweet Peas. 1 acre \$2.00, 5 acre \$6.00, 50 acre (10 five acres) \$55.00, 100 acre (20 five acres) \$100.00. We prepay carrying charges.



POP CORN

There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice—Lb. 10c. 3 lbs. 25c, 10 lbs. 75c.

Corn Poppers—15c each.

Flower Seed Department

ANNUALS, AND HOW TO GROW THEM

Annual plants are those that you must sow each year. The staid perennials I want for the main and permanent effects in my garden, but I could no more do without annuals that I could do without the spices and the condiments at the table.

Of the kinds of annuals there is almost no end. This does not mean that all are equally good. For myself I like to make the bold effects with a few of the old profuse and reliable kinds. I like whole masses and clouds of them. Then the other kinds I like to grow in smaller areas at one side, in a half experimental way. There is no need of trying to grow equal quantities of all.

For the main and bold effects I want something that I can depend on. There I do not want to experiment. Never fill a conspicuous place with a kind of plant you have never grown.

The kinds I like best are the ones easiest to grow. Zinnia, Petunia, Marigold, Four O'clock, Sunflower, Phlox, Scabiosa, Sweet Sultan, Bachelor's Button, Verbena, Calendula, Calliopsis, Morning-glory, Nasturtium, Sweet Pea,—these are some of the kinds that are surest. I do not know where the investment of five cents will bring as great reward as in a packet of seeds of any of these plants.

Make the soil rich and fine and soft and deep, just as you would for radishes or onions. There are some plants for which the soil can be made too rich, of course, but most persons do not err in this direction. The finer and more broken down the manure the better. Spade it in. Mix it thoroughly with the soil. If the soil is clay-like, see that fine manure is thoroughly mixed with the surface layer to prevent "baking."

First and last, I have grown practically every annual offered in the American trade. It is surprising how few of the uncommon or little-known sorts really have great merit for general purposes. There is nothing yet to take the place of the old-time groups, such as Amaranths, Zinnias, Calendulas, Daturas, Balsams, Annual Pinks, Candytufts, Bachelor's Buttons, Wall-flower, Larkspurs, Petunias, Gaillardias, Snapdragons, Cocks-combs, Lobelias, Coreopsis or Calliopsis, California Poppies, Four O'clocks, Sweet Sultans, Phloxes, Mignonettes, Scabiosas, Nasturtiums, Marigolds, China Asters, Salpiglossis, Nicotianas, Pansies, Portulacas, Castor Beans, Poppies, Sunflowers, Verbenas, Stocks, Alyssums, and such good old running plants as Scarlet Runners, Sweet Peas, Convolvuluses, Ipomeas, Nasturtiums, Balloon Vines, Cobaeas, etc.

For bold mass-displays of color in the rear parts of the grounds or along the borders, some of the coarser species are desirable. My own favorites for such use are: Sunflower and Castor Bean for the back rows; Zinnias for bright effects in the scarlets and lilacs; African Marigolds for brilliant yellows; Nicotianas for whites; Larkspurs for blues.

For lower-growing and less gross mass-displays, the following are good: California Poppies for oranges and yellows; Sweet Sultans for purples, whites and pale yellows; Petunias for purples, violets and whites; Bachelor's Buttons (or Cornflowers) for blues; Calliopsis and Coreopsis and Calendulas for yellows; Gaillardias for red-yellows; China Asters for many colors.

For still less robustness good mass-displays can be made with the following: Alyssums and Candytufts for whites; Phloxes for whites and various pinks and reds; Lobelias and Broomlilies for blues; Pinks for whites and various shades of pink; Stocks for whites and reds; Wall-flowers for brown-yellows; Verbenas for many colors.

If flowers of any annual are wanted extra early, the seeds should be started indoors.

A number of the very late-flowering annuals should also be started indoors for best success in the northern States, as, for example, the Moonflowers and the tall-growing kinds of Cosmos.

Of late years there has been a strong movement to introduce the hardy perennials into general cultivation. This is certainly to be encouraged everywhere, since it adds a feeling of permanency and purposefulness that is needed in American gardens. Yet I should be sorry if this movement were to obscure the importance of the annuals.—By Prof. L. H. Bailey.

RAISING HARDY PERENNIALS FROM SEED

Hardy perennials are easily grown from seed. In many cases they are a little slower than annuals, but with intelligent care they are successfully raised, and from seed is an excellent way to get up a big stock of perennials in a short time. Many perennials, if sown in spring, bloom the first year from seed as freely as annuals. Others wait a year; that is, if sown this year they don't bloom until next year.

The seeds may be sown in spring or in summer. In spring the sowings may be made in the window, the hot bed, the cold frame, the greenhouse or in the open ground out of doors. In the window prepare pots or flower-pans or small, shallow, wooden boxes or flats; fill to one-third their depth with fine broken cinders or broken pots, and over this place a thin layer of moss, chopped straw or rough siftings from the soil to keep the dirt from clogging the drainage; then fill up to within one-half or three-quarter inches of the brim with fine, free, mellow soil, with thin layer of very fine soil over it. Tamp the pot on table to firm the soil a little. Now sow the seed evenly, and shake a very little fine soil over it; press it all over with the back of the hand or a board, then water gently through a fine spray or rose; this done strew a little fine earth over all. In the case of very fine seeds covering only enough to hide the seed is plenty, but Pinks, Gaillardias and other rougher seeded sorts one-eighth inch deep of covering may be given. Keep the seed pots in a warm, sunny window, but shaded with a thin curtain from drying sunshine. A sheet of paper laid over the pot at this time prevents over-drying, but when the sunshine passes, take off the paper,

else damp or mold will set in. A pane of glass laid over the pots or flats until germination appears is an excellent preservative of the moisture in the soil, but always tilt it up at one side one-eighth of an inch or more. When the seedlings come up, give them more light by keeping them close to the glass, and before they overcrowd one another, or become spindly transplant them into other pots or flats, three-quarters or one inch apart from one another, according to their size and strength. As the weather gets mild, by placing the seedlings in a cool and airier place, as on the porch or a sheltered place out of doors, they become fairly inured to the open weather, and when they are large enough for final transplanting set them out in the garden.

The amateur may have more success and less bother growing hardy perennials from seeds sown in the open ground than in any other way. Prepare a bed in a nice warm, sheltered spot in the garden, preferably not very sunny; let the surface of the bed be raised four or five inches above the general level, and the soil be a mellow, free, fine earth on the surface. Draw shallow rows across the surface of the bed, three to four inches apart, and here sow the seed, keeping the varieties of one kind or nature as much together as practicable; cover the seeds thinly, press the whole surface gently, water moderately, then dust a little fine loose soil over all. If the weather is sunny or windy, shade with papers or a few branches, but remove these in the evening. When the seedlings come up thin them out to stiffen those that are left, and when they are two or three inches high, they are fit for transplanting into permanent quarters. All this should be done in early spring, say March, April or May, or in warmer localities a month earlier.

Again in July or August perennials are very easily raised out of doors, and much in the same way as above. Transplant these seedlings in late August or early September to get well-rooted stocky plants before winter sets in.

Kensington Road, Ten Hills, Md.
Gentlemen: Last spring I bought a packet of your Triumph of the Giant Pansies, and never in my long experience of growing Pansies have I had such beautiful flowers and a grand variety of colors.
W. R. BOWERS, Arlington, Md.

BEST BOOKS FOR GARDENER AND PROFESSIONAL

Those marked * have been written for us by specialists and are highly recommended.

ALL BOOKS DELIVERED PREPAID

Bulbs and Tuberous Rooted Plants, by C. L. Allen.....	\$1.50
*Carnation Culture, Commercial, by J. Harrison Dick....	1.50
Chrysanthemum, The, By A. Herrington.....	.50
Color Standards and Color Nomenclature, by Dr. Robert Ridgway.....	8.10
The Dahlia Manual, by W. W. Wilmore.....	.25
*Design Books, Floral Designs De Luxe Fifth Edition....	2.50
Diseases of Cultivated Plants and Trees, by George Messee	2.40
Economic Entomology, by John B. Smith, Sc. D.....	2.65
Farm and Garden Rule Book, by L. H. Bailey.....	2.25
Fruits and Vegetables Under Glass, by William Turner....	5.00
Fungous Diseases of Plants, by Benjamin Mine Duggar....	2.25
Gardeners' and Florists' Annual for 1916.....	.50
Goldfish and Its Culture, The, by Hugo Muleritt.....	2.00
*Heather, In Lore, Lyric and Lay, The, by Alexander Wallace.....	36.00
Horticulture, Standard Cyclopedia of, by L. H. Bailey....	.50
*House Plants, Success With, by L. P. Hillhouse.....	
*Landscape Gardening, Practical, by Robt. B. Cridland	(Ready in April)
Lilies, by H. S. Adams.....	1.10
Market Gardening, Success In, by W. W. Rawson.....	1.20
*Mushrooms, Success With, by J. Harrison Dick.....	
Nursery Book, by L. H. Bailey.....	1.50
Orcharding, Productive, by Fred C. Sears.....	1.50
Orchids, by Jas. O'Brien.....	.65
Peony Manual, The, by C. S. Harrison.....	.25
Phlox, A Manual on the, by C. S. Harrison.....	.25
*Plant Culture, by George W. Oliver.....	1.50
*Plant Propagation, by Geo. W. Oliver.....	
Principles of Floriculture, by Prof. E. A. White.....	1.75
Propagation, Art of, by J. Jenkins.....	.30
Pruning Book, The, by L. H. Bailey.....	1.50
*Rose Culture, Commercial, by Eber Holmes.....	1.50
Rose Growing (Outdoors) The Amateur, The Practical Book of, by Geo. C. Thomas, Jr.....	4.00
*Sweet Peas for Profit, by J. Harrison Dick.....	1.50
Trees of the Northern United States, by A. C. Apgar....	1.25
Vegetable Gardening, Productive, by John W. Lloyd....	1.50
*Violet Culture, Commercial, by Prof. B. T. Galloway....	1.50
*Water Gardening, The Book of, by Peter Bisset.....	2.50

We can supply any book desired on request.

Baltimore Manual Labor School, Arbutus, Baltimore County, Md.

Your seed purchased by the Baltimore Manual Labor School for the last four years have given great satisfaction. I want to thank you for the interest and promptness you have shown in filling our orders. (Signed) MISS M. E. WEAVER, Supt.

Mr. H. W. Mohr Rossville, Md., says: I bought several varieties of Tomato seeds from you last season and in my long experience at trucking, covering a period of thirty-five years, I can truthfully say that I never harvested finer Tomatoes than the ones I had this year from your seed.

Selected List of M. & S. Flower Seed

(ORDER BY NUMBER)

All Flower Seeds are 5c a Package, unless otherwise noted.
All Annuals are marked (a) All Perennials are marked (p)

Culture—Directions, hints and information on how and what kind of annuals and perennials to grow will be found on page 20.

1. **Adonis.** (a).—Attractive bright flowers—Crimson.
2. **Ageratum.** (a). (**Leberbalsam**)—For beds or borders. Dwarf, mixed.
3. **Alyssum.** (a). (**Steinkraut**)—Carpet of Snow. Dwarf pure white.
4. **Amaranthus.** (a). **Caudatus.** (**Fuchschwanz**)—Love Lies Bleeding.
5. **Amaranthus.** (a).—Tri-color Splenders. Joseph's Coat.
6. **Antirrhinum.** **Snapdragon.** (p). (**Loewenmaul**)—A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the winter they will revive and throw up gigantic spikes of flowers during the summer. The Snapdragon is treated as an annual and the seed sown every year. Height, 1½ feet. White, Scarlet, Pink, Striped, Yellow and all colors mixed.
7. **Asters.** (a). (**Astern**)—To do well, require a well-pulverized soil, always kept open by continuous cultivation. If soil is heavy and mostly composed of clay, it is well to mix sand with it.
8. **M. & S. Paeonie Flowering Aster**—Choicest mixture of beautiful colors. Glowing crimson, light-blue, pink, purple violet, pure white and brilliant rose. This is the most perfect, very double, large and finely shaped aster in cultivation. **Pkt. 10c, 3 pkts. 25c.**
9. **Aster**—Ostrich Plumed. Very beautiful; mixed. **10c pkt., 3 for 25c.**
10. **Asters, Semple's Branching**—In five distinct colors. White, Pink, Dark Red, Light Blue, Dark Blue and all colors mixed. **Pkt. 10c, 3 for 25c.**
11. **Aster**—Queen of the Market. Very early. White, Pink, Lavender, Crimson, Blue and choice mixed.
12. **Asters**—German, mixed double, choice colors.
13. **Balsam.** (a) (**Lady Slipper**) (**Balsaminen**)—Camellia flowered, very fine.
14. **Balloon Vine.** (a). (**Love-in-a-Puff**)—Annual climber.
15. **Balsam Apple.** (a).—A climber with very useful fruit.
16. **Campanula Media.** (p). (**Canterbury Bell**). (**Glockenblume**).—Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single Blue, Pink, White or Mixed.
17. **Calendula.** (a). (**Pot Marigold**). (**Ringelblume**).—Free-flowering, mixed.
18. **Canna.** (a).—One of the finest bedding plants.
- 18½. **Canabis Gigantea.** (a). (**Giant Hemp**)—For back-grounds; 10 ft.
19. **Calliopsis, or Coreopsis.** (a). (**Golden Wave**). (**Schoen-gesicht**)—Showy, free-flowering, hardy annuals of easy cultivation. Choicest mixed.



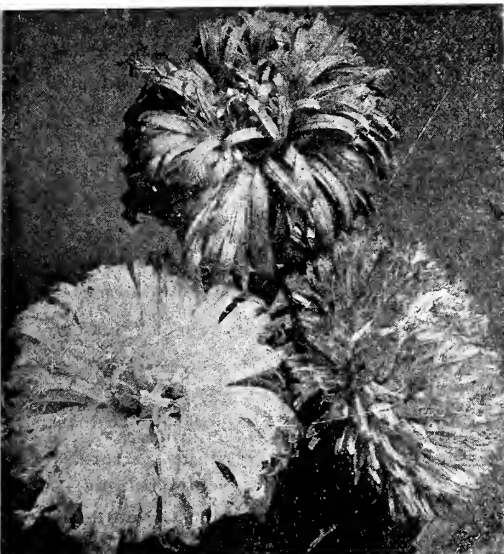
M. & S. PAEONIE FLOWERING ASTER

20. **Canary Bird Flower Vine.** (a). (**Kanarische Kresse**)—One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers.

21. **Candytuft.** (a). (**Schleiferblume**)—For beds and massing, mixed.

THE CARDINAL CLIMBER

21½. **The Cardinal Climber**—This glorious and absolutely distinct new Annual Climber we consider the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from mid-summer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blooms each, and wherever it has been grown during the past two seasons has attracted more attention and favorable comment than any other plant in the garden. Like other Ipomoeas, it delights in a warm, sunny situation and good soil. The seed may be started indoors in March or April, but it is best to wait until the weather gets warm and settled, and then sow out of doors. In either case



Asters



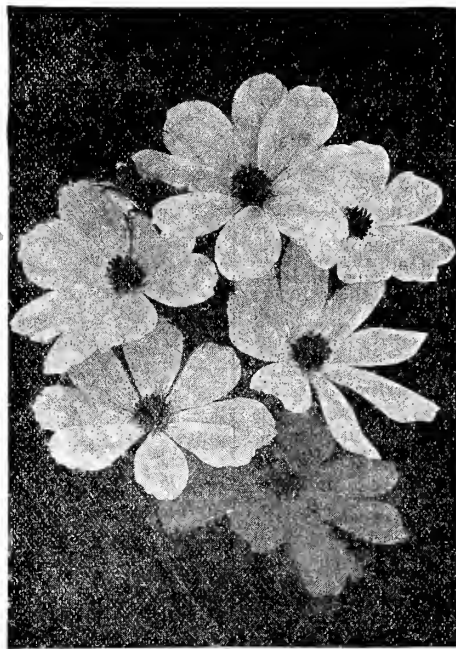
Canna



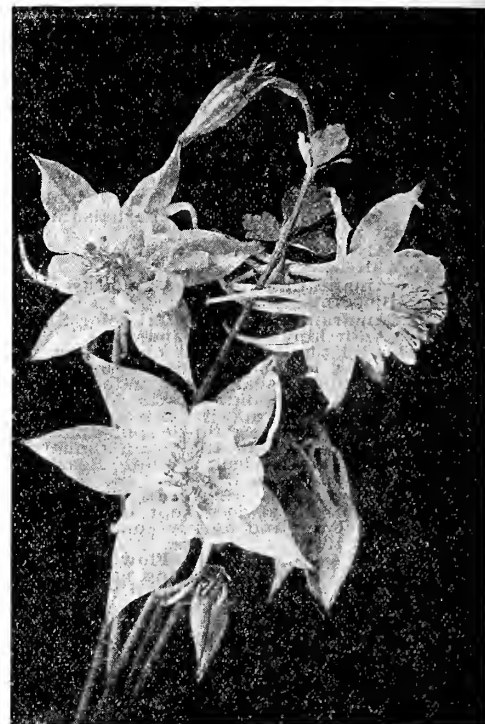
Ageratum



Chrysanthemum



Cosmos



Columbine

it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground the seed is liable to rot.

Packets containing about 20 seeds each 25c, 5 pkts for \$1.00.

22. **Carnation.** (a). (*Marguerite Nelken*)—Very best variety for amateurs. Popular with all growers, mixed. 10c pkg., 3 for 25c.

23. **Celosia.** (a). (*Coxcomb.*) (*Hahnenkamm*)—Free-blooming. Grand for borders and very good for pots. Large solid and feathery comb; mixed.

24. **Centaurea Cyanus.** (a). (*Batchelor Button*) **Ragged Robin or Corn Flower** (*Kornblumen*)—Emperor William. Deep Blue, White, Pink and all colors mixed, 5c pkg.

25. **Centaurea.** (a). (*Dusty Miller*)—For borders. Beautiful silver leaves. Grown for their silver foliage as edging plants.

26. **Cerastium. Tomentosum.** (a). (*Hornkraut.*) (*Snow in Summer*)—Dwarf, white-leaved edging plant; flowers white; 4 inches high.

27. **Chrysanthemum.** (a). (*Wucherblume*)—Choicest mixed.

28. **Cineraria.** (p). (*Wandelblume*)—For hothouse and window garden. Price mixture 35c and 60c pkgs.

29. **Clarkia.** (a). (*Scharlach Koenigen*)—One of the prettiest and showiest of hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early spring and grow in partial shade. They bloom through mid-summer to late autumn. Average height, 1½ feet.

30. **Cleome.** (a)—Curious; very ornamental, on Castor Oil Plant style. Sandy soil suits them best. Height 2 feet. Pkt. 10c.

31. **Cobaea Scandens.** (a)—Cups and Saucers Vine. Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

COLUMBINE, OR AQUILEGIA

31½. **Columbine, or Aquilegia.** (p).—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. Single or double mixed.

32. **Cosmos.** (a). **Cosmea**—An Autumn-flowering plant. A charming, profuse bloomer, Giant Red, Pink, White, and all colors mixed. Pkt. 5c, oz. 50c.

33. **Early Summer-Flowering Cosmos**—Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth—4 feet. Flower beautiful and large; petals broad; all colors mixed; profuse bloomer. Pkt. 5c, oz. 50c.

ALL FLOWER SEEDS 5 CENTS A PACKAGE UNLESS OTHERWISE NOTED.

34. **Coleus.** (a)—Large Leaved Hybrids. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Pkt. 10c. 3 for 25c.

35. **Cypress Vine.** (a)—Popular vine, fern-like foliage and masses of beautiful small star-shaped flowers. White and scarlet, mixed.

36. **Dahlia.** (a). (*Georginen*)—Bloom first year from seed if sown early. Double, mixed. Single, mixed.

37. **Daisy, English Double.** (p). (*Bellis Perennis.*) (*Marlen Blumchen*)—Seed should be sown from June 1st till September, transplanted in the fall, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches. Pkt. 10c, 3 for 25c.

38. **Shasta Daisy**—Very large; white single flowers on long stems.

39. **Dianthus.** (p). **China Pink.** (*Sommernelke*)—One of the most popular flowers in cultivation, blooms profusely. Great variety of colors. Extra choice. Single mixed; crimson; Rose and mixed fringed.

40. **Delphinium.** (p). (*Hardy Perennial Larkspur.*) (*Ritter-sporn*)—Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will brancy and flower all through Fall. **Formosum.** Blue, white center. **Chinese Album.** White. **Chinese Azureum.** Blue. **Kelway's Giant.** Mixed. Pkt. 5c and 10c, 3 for 25c.

41. **Dimorphotheca.** (a). **Golden Orange Daisy.** (*Goldgelbe Marquerite*)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire season; excellent for cutting.

42. **Digitals.** (p). **Foxglove.** (*Fingerhut*)—Handsome, ornamental, hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful tubular-shaped flowers; 4 to 5 feet.

43. **Dolichos.** (a). **Hyacinth Bean or Texas Climber**—Showy climber, making rapid growth. White and purple. Pkt. 5c, oz. 15c.

44. **Eschscholtzia.** (a). (*California Poppy.*) (*Karminkoenig*)—Choice mixture.

45. **Euphorbia.** (a)—White and green; height 2 feet. Known as "Snow on the Mountain."

46. **Euphorbia heterophylla.** (a)—Carmine; height, 2 feet. Mexican fire plant.

47. **Gourds.** (a). (*Zlerkurbloss*)—Luffa, Nest Egg, Hercules Club, Dipper, Apple, Pipe Calabash, Pear Shape, Mock Orange, Sugar Trough, and a general mixture; rapid climbers.

48. **Gallardia.** (a). (*Blanket Flower*)—Very fine mixture.

49. **Gypsophila.** (a). (*Baby's Breath.*) (*Schleierblume*)—Pretty, free-flowering plants of easy culture; excellent for cutting to mix with Sweet Peas; 2 feet. **Elegan Alba Grandiflora.**

50. **Hellanthus.** (a). (*Sunflower*) (*Sonnenblume*)—Oscar Wilde, single, yellow.

51. **Hellanthus.** (a). (*Sunflower*) (*Sonnenblume*)—Dwarf, double, 3 feet high.

ALL FLOWER SEEDS ARE 5 CENTS A PACKAGE UNLESS OTHERWISE NOTED. (ORDER BY NUMBER.)

53. *Heliothis*. (p). *Pitcheriana*. (Hardy Sunflower) (*Perennierende Sonnenblume*)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire summer; excellent for cutting; 3 to 4 feet.

54. *Heliotrope*. (a). (*Giant Hybrids*, *Lemoines*)—Produces extra large flower spikes in abundance. Pkt. 10c.

55. *Helichrysum*. (a). (*Straw Flower*) (*Strohblume*)—Popular, everlasting.

55½. *Hollyhock*. (p). (*Malven*)—One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. *Chater's Improved Double Hollyhock* in separate colors, Pink, White, Salmon, Maroon, Yellow and all colors mixed, also single mixed, 5c. pkg.

56. *Humulus*. (a). (*Japanese Hop*) (*Japanischer Hopfen*)—A rapid growing annual climber with luxuriant foliage.

57. *Hunnemannia*. (a). (*Giant Yellow Tulip Poppy*) (*Fumariaefolia*)—Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet.

58. *Ice Plant*. (a). (*Eiskraut*)—Beautiful dwarf edging plants; flower profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

59. *Kochia*. (a). (*Summer Cypress*, or *Mexican Fire Bush*) (*Brennender Busch*)—An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet.

60. *Kudzu Vine*. (p). (*Puevaria Thunbergiana*)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome flowers. The blossoms are large and in panicles somewhat like the *Wistaria*, but larger in size, and with better clusters. The color is of a pleasing shade of purple. The foliage is luxuriant. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and flower year after year; fine for arbors, verandas, etc. Pkt. 10c.

61. *Lantana*. (a). (*Bergsabel*)—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble *Verbenas*; plants grow erect and remain in bloom all Summer.

62. *Larkspur*. (a). (*Rittersporn*)—Double dwarf rocket, finest mixture.

63. *Lathyrus Latifolius*. (p). (*Everlasting or Perennial Sweet Pea*) (*Ausdauernde Wicke*)—Free flowering, resembling Sweet Peas in growth, foliage and flowers, which are excellent for cutting.

64. *Lobelia*. (a). (*Spaiglockchen*)—Dwarf varieties for bedding. Mixed.

65. *Lupins*. (a). (*Wolfsbohne*)—Very desirable garden plants, showy and excellent for cutting. Graceful spikes, 2 feet long, in various shades of white, blue, pink and yellow mixed.

66. *Marigold*. (a). (*Spaiglockchen*)—Dwarf French and tall; fine colors, mixed, double, 5c. each.

67. *Marvel of Peru*. (a). (*Four-O'clock*) (*Wunderblume*)—Choice mixture.

68. *Mignonette*. (a). (*Reseda*)—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter. Golden Machett and Parson's White, 5c. pkt., each.

69. *Moon Flower*. (a). (*Ipomea Noctiflora*) (*Nachtblühende Winde*) (*Climber*)—At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers.

70. *Mimulus Tigrinus*. (a). (*Monkey Flower*) (*Gauklerblume*)—Fine mixed tigered and spotted varieties; 1 foot.

71. *Moschatus*. (a). (*Musk Plant*) (*Moschuspflanze*)—Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches.

72. *Morning Glory*. (a). (*Imperial Japanese*) (*Trichterwinde*)—One of the most popular annual climbers, rapid grower. Pkt. 5c, oz. 10c, all colors mixed.

73. *Myosotis*. (p) (*Forget-Me-Not*) (*Vergissmeinnicht*)—The *Forget-Me-Not* is an old favorite; bearing clusters of star-shaped flowers. Succeeds best in a moist, shady situation, and blooms the first year from seed if sown early. Seed sown in autumn flowers in early Spring.

74. *Nicotiana*. (a) (*Tabak*) Splendid, pure white, *Bouvardia*-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.

75. *Oenothera*. (a). (*Evening Primrose*) (*Nachtkerze*)—Beautiful, low-growing plant, producing large, silvery white, rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors mixed.

76. *Passion Flower*. (p). (*Southern Beauty*) (*Passionblume*)—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

77. *Portulaca*. (a). (*Mexican Rose*) (*Portulakroesen*)—Choice single and double, mixed colors.

78. *Pansies*. (a). (*Stiefmutterchen*)—Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shady situations.

79. *M. & S. Giant Exhibition Pansy*—A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Pkt. 10c, 3 for 25c, \$2.50 per doz.

80. *Triumph of the Giant Pansy*—Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt. 25c, 5 pkts. \$1.00.

81. *Very Fine Mixed Pansy*—Pkt. 5c, oz. 75c.

82. *Petunia*. (a). (*Petunie*)—The *Petunia* is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period. Pure white, crimson, and all colors mixed.

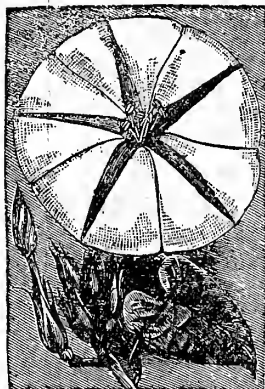
83. *Howard's Star Petunia*—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinct five pointed white star.



Mixed Gourds



76 Passion Flower Vine



69 Moon Flower



Pansies

Gentlemen: Your new Dahlias, Celeste Meyer and Eleanor Stisser, surpass by far your description and illustration.

Yours for success,

J. F. SHARRETT'S, Bonner Road, Forest Park.

Your M. & S. Giltedge Mixture Sweet Peas produced the finest I ever had. They were the finest in my neighborhood.

Yours truly,

J. A. H. ANDES, Ten Hills, Md.

84. PHLOX DRUMMONDI**(a). (Flammenblume)**

One of our finest hardy annuals, on account of its long season in bloom. Easily grown from seed; makes a brilliant display as a Summer bedding plant. In all bright colors, or all colors mixed.

85. Hardy Phlox. (p). (Perenirende Flammenblume)—For a gorgeous show these are the most satisfactory of all perennial plants; 2 feet high, in all bright colors; seeds sown late in Fall will germinate in the Spring; all colors. **Pkt. 5c and 10c, 3 for 25c.**

POPPIES (a) (Gartenmohn)

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossom is desired, successive sowings should be made every two weeks.

86. Orientale Poppies. (p). (Perenirender Gartenmohn)—Enormous flowers of deep, flashing scarlet; entirely hardy anywhere; 3 feet.

87. Orientale Poppies. (p). (Perenirender Gartenmohn)—Mixed Hybrids. Finest Shades.

88. Double Flowered Mixed Poppies—Immense double flowers resembling a Paeony; 2 feet; finest mixed.

89. M. & S. Shirley Poppies—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors, mixed.

90. Iceland Poppy—These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 foot.

91. Rhodanthe. (a)—Very beautiful, delicate looking, everlasting. Much prized for Winter bouquets. Red and white and both colors mixed.

RICINUS (a) Castor Oil Bean (Wunderbaum)

One of the best ornamental-leaved annual plants, largely used for the centre of beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

92. Zanzibariensis—A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—12 to 14 feet. Leaves vary in color from light green to purplish-red. **Pkt. 5c, oz. 10c.**

93. Borboniensis—Very large and most showy green foliage; standard variety. 10 to 15 feet. **Pkt. 5c, oz. 10c.**

94. Philippinensis—A variety from the Philippines, with beautiful and gigantic purple leaves. 10 feet. **Pkt. 5c, oz. 10c.**

95. M. & S. Ricinus Mixture—Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. **Pkt. 5c, oz. 10c.**

SALVIA (a) Scarlet Sage (Salbei)

This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hotbeds.

96. Bonfire—Compact bushy plants two feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. **¼ oz. 50c, pkt. 5c.**

97. Early Dwarf Zurich Salvia—Grows only 12 to 15 inches high, with many fine, erect, slender spikes to each plant borne well above its handsome foliage. Color brilliant scarlet. Earliest of all. **Pkt. 10c.**

98. Silverspot Salvia—Rich green leaves elegantly spotted with yellow. The intense, bright scarlet flowers are large and lavishly borne; neat and compact; 2½ feet. **Pkt. 10c.**

99. Saipiglossis. (a). (Painted Tongue) (Trompeten zunge)—Very beautiful hardy annual plants, flowering freely from July to early autumn. Rich soil should be provided, with plenty of space for plants to develop.

100. Scabiosa. (a). (Scabiose) (Sweet Scabiosa, Mourning Bride, Pin-Cushion, Flower Egyptian Rose, etc.)—The plants grow about 2½ feet high, and come into bloom early in July, continuing without interruption until the hard frosts of Autumn. The exquisite double flowers are borne on very long stems, and when cut keep in perfect condition for the best part of a week. They make most effective borders or beds, and no garden can be considered complete without Scabiosas where many flowers are wanted for cutting. All colors mixed.

**FREE—NOTICE—FREE**

With every Garden or Flower Seed Order amounting to \$5.00 or over we will send one copy of the 186-page Farmers' Ready Reference Book. The most complete Farm Book on the market. Every department of Farm Life covered in detail by Experts. Classified and indexed for convenient use.

Alphabetically Arranged.

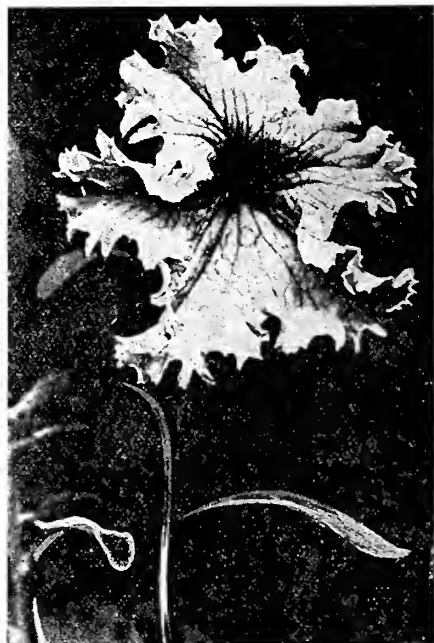
Urchilyn Farm, Reveil, Md. Edwin P. Baugh, Jr., Owner.

It gives me real pleasure to state that we have found the goods purchased from you almost invariably satisfactory, and in the few cases where there was a chance for dispute I have always found you people one of the rarest of all things in the business world, a firm always willing to back up any guarantee given, and do it both quickly and cheerfully.

(Signed) CLAYTON S. DOTY, Mgr.



Phlox Drummondii



Petunia

101. SWEET WILLIAM (p)

101. Sweet William. (p). (Dianthus Barbatus) (Bartnelke)—This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single Crimson, Single Red, with white eye, Single Velvety Maroon, Single White and choicest double Mixed, Single Mixed, all colors. Each, 5c pkt.

102. Sweet Sultan. (a). (Centaurea Moschatus) (Whol-reichende Kornblume)—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.

103. Thunbergia. (a). (Black-eyed Susan)—Beautiful. Very ornamental climber.

104. VERBENA (a) (Verbene)

104. Verbena. (a). (Verbene)—An excellent annual for beds and massing, for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M. & S. Fancy White, Scarlet, Dark Blue, Striped, Light Blue, and all colors mixed.

105. Vinca. (p). (Madagascar Periwinkle) (Immergrun)—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

106. Violet. (p). (Vellchen)—Deservedly much in demand, because of their profusion of bloom and delicate, sweet odor. Pkt. 10c.

WALLFLOWER (p) (Goldlack)

Favorite sweet-scented flowers, of fine colors. Splendid for cutting and useful as Spring bedders.

107. Cloth of Gold—Yellow.

108. Early Feltham—Fine brown dwarf.

109. Vulcan—Dark blood red.

110. All colors mixed.

111. Lobata (Wild Cucumber Vine)—One of the quickest growing annual vines we know of; splendid for covering trellises, old trees; fences, etc. Clean, bright green foliage and sprays of white flowers during July and August, also known as Pants and Petticoat.

112. Wild Flower Garden (a)—Fine mixture of old favorites. Pkt. 5c, oz. 15c.

Zinnia. (a). (Youth and Old Age) (Yung und Alt)—One of the most brilliant and showy of annuals, and has long been a general favorite. They come in flower early in the Summer, and keep on blooming until frost. Require little attention and succeed almost anywhere. For perfection of blossom start the seeds in March, and pick out once or twice before transferring to the open border in May or June. Provide the plants with plenty of room, at least 18 inches apart each way, and they soon completely cover the ground.

113. M. & S. Dwarf—Double in eight distinct colors. White, Pink, Red, Salmon, Yellow, Lavender, Crimson and striped, and all colors mixed. Each, 5c a pkg., oz. 50c.

114. M. & S. GIANT DWARF NASTURTIUMS (a) (Kapuzinerkresse)

A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown and producing a great profusion of brilliant colored flowers from within a few weeks after they are sown until they are killed by frost; they will flower more profusely in thin soil. Our Nasturtiums are noted for their size, variety and brilliancy of their colors.

M. & S. Fancy Giant Mixed Dwarf—This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Pkg. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

M. & S. DWARF NAMED NASTURTIUMS

115. Aurora—Rich yellow, veined carmine.

116. Chamelleon—Produces various colors and markings on the same plant.

117. Empress of India—Dark leaved, vervety dark scarlet flowers, select stock.

118. Lady Bird—Rich yellow, scarlet spotted flowers, dark-leaved, splendid.

119. Queen of Tom Thumbs—Verigated foliage, choicest mixture.

120. Golden Queen—Yellow leaved with golden yellow flowers.

Prices of all the above varieties as follows: Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

M. & S. TALL OR CLIMBING NASTURTIUMS

121. M. & S. Tall or Climbing Nasturtiums—This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing equals the gorgeous effect produced by the great quantities of bloom from early summer until frost; height, 8 to 10 feet. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

ALL FLOWER SEEDS 5 CENTS A PACKAGE, UNLESS OTHERWISE NOTED

M. & S. SWEET PEAS (Ger. Suesse Wicken)

Sweet Peas, owing to the extremely short crop for the last two years are very scarce, and, while the prices quoted are not firm, we shall endeavor to adhere to them as long as we can. Intending purchasers are strongly advised to order as soon as possible after receipt of catalogue. It will be difficult to replace the seed when our supply is sold.

Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf, branching, and bloom more freely, some varieties showing three to four blooms on a stem. A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1½ feet deep and filled with very best loam mixed with bone meal or well-rotted stable manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 6 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in fall, preferably in a dry situation, and 6 or 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good rich condition, bone meal is the best fertilizer.

NITROGEN BACTERIA "FARMOGERM"

The ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period. 25c and 50c per bottle. See page 19 for full particulars.

M. & S. GILT EDGE SWEET PEA MIXTURE

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet un-named, insuring a gorgeous color-effect. Pkt. 5c, oz. 10c, ¼ lb. 20c, ½ lb. 35c, lb. 60c.

SPENCER VARIETIES MIXED SWEET PEAS

Spencer Varieties Mixed Sweet Peas—A special mixture of the Spencer type. Pkg. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

M. & S. SELECTED NAMED SWEET PEAS—STANDARD VARIETIES

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts and for freedom of bloom, size of flowers and length of stem cannot be surpassed.

124. America—Blood red striped on white.

125. Dorothy Eckford—Fine pure white large flowers.

126. Emily Henderson—Splendid pure white, good for forcings.

127. Blanch Burpee—Large pure white.

128. Blanch Ferry—Standard Carmine rose, wings white tinged pink.

129. Ex. Ea. Blanche Ferry—The popular pink and white.

130. Countess of Radnor—Delicate lavender standard, dark mauve wings, dainty, white edged pink.

131. Lady Grisel Hamilton—Light lavender standard, sky blue wings; splendid.

132. Flora Norton—Bright blue, lights tinged with purple.

133. Lovely—Pink; very fine.

134. Katherine Tracy—Soft brilliant pink.

135. Prima Donna—Lovely soft pink.

136. Gladys Unwin—Pink, exquisite shade.

137. Capt. of the Blues—Rich navy blue.

138. Navy Blue—Bluish purple standards, navy blue wings.

139. Firefly—Bright Red.

140. King Edward VII—Bright crimson.

141. Salopian—Brilliant scarlet.

142. Othello—Very dark maroon.

143. Black Knight—Deep maroon.

144. Hon. Mrs. E. Kenyon—Deep Primrose, very large.

145. Mrs. Eckford—Primrose yellow, very fine.

146. Apple Blossom—Bright pink and bluish.

147. Prince of Wales—Rose crimson.

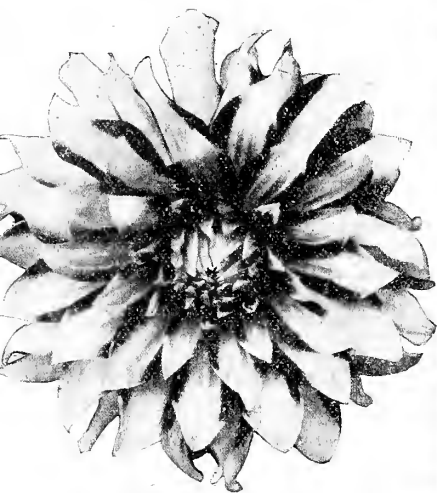
148. Miss Wilmott—Large orange pink.

Prices on the above each package 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

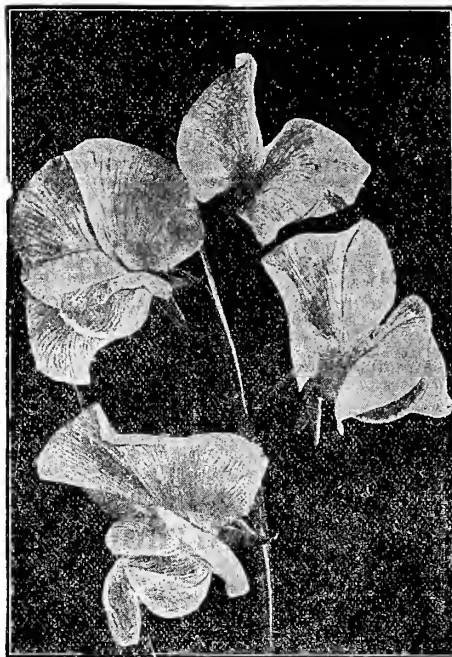
Sweet Peas continued on next page

A. Spath, Jr., & Son, Florists, Roland Park, Md.

We are glad of the opportunity to tell you that we are much pleased with your seeds, especially Lawn Grass Seed with which we have had most experience. We have used grass seed from other sources but have had many complaints; but after using Roland Park mixture for two years we have not had one single complaint, not even this summer, which was unusually dry. Wishing you much success in the future, we remain,
(Signed) A. SPATH & SON.



Celeste Meyer



M. & S. Sweet Peas



Eleanor Stisser

SWEET PEAS—Continued

CHRISTMAS, OR WINTER FLOWERING SWEET PEAS

For Forcing Indoors.

Christmas Pink—Pink and White.

Christmas White.

Christmas Captain—Blue and Purple.

Christmas Meteor—Scarlet.

Mrs. Wm. Sim—Salmon Pink.

Mrs. Alex. Wallace—Lavender.

Pt. 10c, oz. 25c, lb. \$2.00.

This seed has been grown from originator's stock and can be depended upon for excellent results.

ALL FLOWER SEEDS 5 CENTS PACKAGE, UNLESS OTHERWISE NOTED.

M. & S. SUPERFINE DAHLIA ROOTS

Culture—One of the most important points in the cultivation of the Dahlia is to select a well-drained position where they will receive the full benefit of the sun during the greater part of the day.

As to soil, they are not at all particular, excepting that in the case of a stiff clay some loose material should be added, such as coarse sand, old mortar, or anything which will make the soil loose and friable. The soil must be well dug, and a liberal amount of suitable plant food incorporated. For this nothing is more satisfactory than well-decayed stable manure; but where this cannot be conveniently procured, pure bone-meal, sheep manure, or any chemical fertilizer rich in ammonia and phosphoric acid will answer.

The planting of dormant roots in the latitude of Baltimore may be done at any time between April 25th and June 15th, the earlier planting being preferable. Plants must not be set out until all danger of frost is over, say May 10th.

Dahlias should be planted where they can be watered during the blooming period.

After May 1st we can furnish started Dahlia Plants at the same price as roots.

For postage add 5c each, dozen lots should be sent by express.

CLASSIFICATION OF DAHLIAS

Class 1. Cactus—This class embraces the long, narrow-petaled varieties, the petals of which are generally pointed or twisted.

Class 2. Decorative—This class is an intermediate form, having broad, flat petals.

Class 3. Fancy—This class takes in all variegated varieties.

Peony Flowered—A semi-double of the decorative form.

Class 4. Pompon—This class embraces the small, round Dahlias.

Class 5. Show—The name Show applies to those varieties producing large, well-formed flowers, showing only solid colors, but may frequently have shaded tips.

Class 6. Single—Too well known to require a description.

BOX COLLECTION OF DAHLIAS

A new departure; put up in sets of twelve assorted varieties, unlabeled, embracing a wide range of colors, Red, White, Pink, Yellow, Variegated, etc., no two alike. This collection is put up in a telescope box and is sent through Parcel Post to any part of the United States for \$1.00.

CHOICE DECORATIVE DAHLIAS

Celeste Meyer—This variety originated from seed in the year 1911, and is now offered for the third time. A superb Fancy Decorative Dahlia. Combining all the virtues of a first-class Dahlia. The plant is a strong, vigorous grower, foliage clean and bright, a height of four feet. Flowers are quite full and grows large in size; borne on exceptionally long stems, which hold the flower erect. Color, Tango Red, heavily tipped and striped with white, which in most of the flowers reaches down to the base of the petal, leaving alternate streaks of red and white. In others the marking is not so distinct, giving a shading of pink and white; a very attractive and pleasing flower; a very prolific bloomer. The supply of this, our latest creation in Dahlias achieved through untiring effort and at great expense, is not very plentiful, and we ask our customers who would like to try one or several of this variety to please order early so that they will not be disappointed in the latter part of the season. **Each 25c, doz. \$2.75.**

Eleanor Stisser—A fine, large, decorative type originating in 1911, and is now offered for the third time to the public. This variety is a tall grower, making a height of five to six feet, strong and vigorous. Its color is quite new in the Dahlia family, being a combination of shadings quite unique—Buff to Salmon Rose with a distinct shading of Pink, a pleasing combination of coloring and one that is especially effective in connection with autumn foliage. Flowers well above the foliage. The supply of this, our latest creation of Dahlias, achieved through untiring effort and at great expense, is not very plentiful, and we ask our customers who would like to try one or several of this variety to please order early, so that they will not be disappointed in the latter part of the season. **25c each, \$2.75 doz.**

Baron Schroeder—Rich purple; highly recommended. **10c each, \$1.00 doz.**

Clifford W. Bruton—A fine bright yellow. **10c each, \$1.00 doz.**

Dellce—Beautiful glowing, rosy pink, good stems, fine for cutting. **15c each, \$1.50 doz.**

Jack's Discovery—White, mottled violet rose. **25c each, \$2.75 doz.**

Sebastapol—One of the finest of recent introduction. Flowers rich bright orange, of good substance, borne freely on long stiff stems. The best in its class and color fine, cut flower. **25c each, \$2.75 doz.**

M. & S. Purple King—A large beautiful purple flower, free blooming, fine for cutting. **20c each, \$2.00 doz.**

Grand Duke Alexis—Ivory white, sometimes showing lavender centre. **15c each, \$1.50 doz.**

Golden West—The finest decorative yellow Dahlia in cultivation. **25c each, \$2.75 doz.**

Henry Patrick—A beautiful pure white. **15c each, \$1.50 doz.**

Jack Rose—Brilliant crimson-red, similar in shade to the popular "Jack" Rose, which suggested its name; perfect for garden decoration or for cutting. **10c each, \$1.00 doz.**

Jeanne Charmet—A splendid cut flower variety of a pleasing shade of violet-rose on a lighter ground. **15c each, \$1.50 doz.**

John Ellitch—Beautiful rich cardinal-red. **15c each, \$1.50 doz.**

Lyndhurst—Brilliant cardinal-red. A fine cut flower. **10c each, \$1.00 doz.**

Mme. Van de Daele—A charming soft rose with deeper markings, shading to white in the centre. **15c each, \$1.50 doz.**

Mrs. Hartong—Golden-bronze; very fine. 10c each, \$1.00 doz.
 Matchless—Deep maroon with black shadings. 10c each, \$1.00 doz.
 Mrs. Roosevelt—Delicate Silver Rose. 15c each, \$1.50 doz.
 Mme. A. Lumler—Pale White, Violet Red Points. 15c each, \$1.50 doz.
 Sylvia—Soft, pleasing mauve-pink, gradually changing to white in the centre. A fine cut flower. 10c each, \$1.00 doz.
 Souv. de Gus Douzon—Immense flowers; a beautiful red, tall and grand bloomer. 15c each, \$1.50 doz.
 Yellow Duke—Fine canary yellow. 10c each, \$1.00 doz.
 Our selection of the above named \$1.00 per dozen.

SUPERFINE CACTUS DAHLIAS

Aurora—A beautiful reddish-apricot suffused with flesh-pink, shading lighter to the tips. 15c each, \$1.50 doz.
 Aegir—Rich, bright crimson scarlet. 15c each, \$1.50 doz.
 Blanche Keith—Grand flower. Yellow, free bloomer. 15c each, \$1.00 doz.
 Brittania—Deep Salmon. 15c each, \$1.50 doz.
 Countess of Lonsdale—A peculiar but pleasing blending of salmon-pink and amber, a color difficult to describe. Flowers freely under all conditions. 10c each, \$1.00 doz.
 Cockatoo—Lemon yellow, white centre. 15c each, \$1.50 doz.
 Dorothy Vernon—Crushed strawberry. 15c each, \$1.50 doz.
 Else—A charming variety, with a combination of delicate colors. The base of the petals is of butter-cup yellow, gradually passing to amber, finished with a tip of tyrian-rose. 15c each, \$1.50 doz.
 Flora—An ideal white Cactus Dahlia. A large, heavy flower, produced on stout, stiff stems, makes it valuable for cutting. 10c each, \$1.00 doz.
 Floradora—Remarkably free-flowering, bright blood-red. 10c each, \$1.00 doz.
 General Buller—Dark velvet maroon, white tips. 10c each, \$1.00 doz.
 Gabriel—Creamy-white, edged with vermilion. 10c each, \$1.00 doz.
 Hunold—Terra cotta red. 15c each, \$1.50 doz.
 Kriemhilde—A most popular cut-flower variety; perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre. 15c each, \$1.50 doz.
 Lawine—White with just a suggestion of blush, as the flower matures, a fine, full, large flower. 20c each, \$2.00 doz.
 Master Carl—Large, clear orange-salmon. 15c each, \$1.50 doz.
 Mrs. H. J. Jones—Bright scarlet, tipped white. 15c each, \$1.50 doz.
 Phoenix—Dark velvet red, large and handsome. 10c each, \$1.00 doz.
 Golden Gate—Very large; petals heavy; color bright golden yellow; early and free flowering. 20c each, \$2.00 doz.
 Progenitor—Bright carmine; each petal being furcated on the end like a staghorn fern. 10c each, \$1.00 doz.
 Standard Bearer—Rich, fiery-scarlet; free and of perfect form. 10c each, \$1.00 doz.
 Strahlen Krone—Cardinal red. 10c each, \$1.00 doz.
 Thos. Parkins—Bright Terra Cotta. 15c each, \$1.50 doz.
 Volker—Clear lemon-yellow. 10c each, \$1.00 doz.
 White Levant—Pure white, very large. 20c each, \$1.00 doz.
 Wunderkind—Luminous canary-yellow shading to white, suffused with flesh at the edges; free bloomer. 15c each, \$1.50 doz.
 Winsome—Pure white; twisted petals. 15c each, \$1.50 doz.
 Our selections mixed of the above named, \$1.00 per dozen.

CHOICE DOUBLE, SHOW AND FANCY VARIETY DAHLIAS

Apple Blossom—Medium size white flower, maroon centre, petals frequently spotted maroon, very striking. 15c each, \$1.50 doz.
 M. & S. Delight—Dark maroon, each petal spotted white, very attractive and free bloomer. 20c each, \$2.75 doz.
 A. D. Livoni—A splendid clear pink, beautifully quilled. 15c each, \$1.50 doz.
 Frank Smith—Intense purplish maroon, each petal tipped white, sometimes comes self colored a beautiful purplish maroon. 10c each, \$1.00 doz.
 Fern-Leaf Beauty—White, striped deep crimson; fern-like foliage; dec. type. 10c each, \$1.00 doz.
 Lucy Fawcett—Canary yellow, striped carmine rose; show type. 10c each, \$1.00 doz.
 Le Grand Manitou—White ground color, prettily spotted, striped and blotched with deep reddish violet; dec. type. 25c each, \$2.75 doz.
 Mald of Kent—Cherry red, tipped and blotched white; dec. type. 10c each, \$1.00 doz.
 Progress—Bright, rosy like, penciled and spotted crimson; show type. 10c each, \$1.00 doz.
 Prof. Mansfield—Rich yellow, clear white, tips rosy red, very variable; dec. type. 15c each, \$1.50 doz.
 Zebra—Pearl white, edged deep pink. 10c each, \$1.00 doz.
 Ethel—Yellow, tipped white. 10c each, \$1.00 doz.
 Ethel Maule—Pure white, tinged lavender in centre, fine flower. 10c each, \$1.00 doz.
 Striped Banner—Red, striped white. 10c each, \$1.00 doz.
 Souv. de Madam Moreau—Deep rich pink, show type, very handsome. 15c each, \$1.50 doz.

POMPON DAHLIA

Little Helen—The finest pure white. When in bloom the entire plant is a mass of flowers. 10c each, \$1.00 doz.

PAEONY FLOWERING DAHLIAS

Queen Wilhelmina—Pure White; splendid form. 15c each, \$1.50 doz.

Queen Emma—Rose; beautiful, distinct flower. 15c each, \$1.50 doz.

Hon. R. L. Borden—Large, distinct; rich golden bronze. 15c each, \$1.50 doz.

Gelsa—The showiest and most attractive of this type yet introduced. The flowers are original in form, consisting of peculiarly twisted and curled petals, of an effective and rich combination of scarlet and gold, the centre being yellow, which becomes suffused with and deepens to scarlet at the centre of the petals. 25c each, \$2.75 doz.

NEW CENTURY SINGLE DAHLIAS

Twentieth Century—Early in the season an intense rosy-crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink. 15c each, \$1.50 doz.

Crimson Century—Rich, deep velvet-crimson, shaded maroon, with rose halo around a yellow disc. 15c each, \$1.50 doz.

Fringed Century—Intense rosy-crimson with lighter markings, fringed or cleft petals. 15c each, \$1.50 doz.

Pink Century—Delicate soft pink. 15c each, \$1.50 doz.

White Century—Pure white, with large, heavy, overlapping petals of good texture. 15c each, \$1.50 doz.

Sensation—A gorgeous flower, brilliant vermilion red; heavily tipped and striped with white. No two flowers alike on a bush. 10c each, \$1.00 doz.

Big Chief—Brilliant cherry red, margined rich, velvet maroon. 15c each, \$1.50 doz.

COLLARETTE DAHLIA

President Vigor—Rich, red, white collarette. 15c each, \$1.50 doz.

JAPANESE FERN BULBS

A very attractive novelty; in dormant state, seven to nine inch bulbs. 35c each. Mailing weight 1 lb.

M. & S. CHOICE PAEONIES

If wanted by mail, add 5c each for postage.

Double Paeonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and America, has resulted in the production of many notable fine new varieties. Among hardy, herbaceous perennials the Chinese Paeonies rank about first for lawn or lower-border or shrubbery decoration. They are all hardy.

Paeony Chineses, (Duchess de Nemours)—Pure white, profuse bloomer. 25c each, \$2.75 doz.

Paeony Chineses, (Jeanne d'Arc)—Fine rose, centre creamy white and sulphur. 25c each, \$2.75 doz.

Paeony Tenuifolia, (Rosea)—Beautiful pink. 25c each, \$2.75 doz.

Paeony Tenuifolia, (Rubra)—Bright red. 25c each, \$2.75 doz.

MADERIA, OR MEXICAN VINE (HARDY)

The tubers, if planted deep and protected during the winter, are hardy. The leaf is very deep green, and grows very dense; the flower is small, white in color and fragrant. This very rapid growing vine should be planted wherever a dense, quick shade is desired. Roots 5c each, 30c doz., postpaid.

MONTBRETIA

A beautiful flowering bulb resembling a miniature Gladioli, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump. They are fine for cutting, being very showy, the orange scarlet and yellow shades being especially attractive. Height 24 inches. 25c dozen, \$1.25 100, postpaid.

DOUBLE PEARL TUBEROSES

Culture—One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. Two for 5c, doz. 25c, by mail 35c; 100 \$1.25.

CALADIUM ESCULENTIUM (Elephant's Ear)

As centre pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

Monster Bulbs—15c each, \$1.50 doz.

Mammoth Bulbs—10c each, \$1.00 doz.

By mail each 5c extra. Dozen should be sent by express.

Gentlemen: I am delighted to tell you that I took first prize on Dahlias which were raised from your "M. & S." Superfine Dahlia Roots at the Ruxton Floral Show.

EUGENE O'DUNNE, Ruxton, Md.

The Dahlia Bulbs I purchased from you turned out fine. The flowers were admired by everybody who saw them.

Yours truly, SARAH F. MARTIN,



M. & S. Superfine Cannas

I purchased some Canna Roots from you last spring and I never in all my life had such beautiful flowers. They were admired by everybody who saw them.

Yours truly,

H. M. GRESHAM,
Tappahannock, Va.

M. & S. SUPERFINE GLADIOLUS

Culture Hints on Gladiolus—A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Start to set the bulbs out about April 1st. To get best effects, have about 6 inches of space between them. They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July 1st. It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing bulbs should be thoroughly cultivated, and should be given a top-dressing of Sheep Manure and Mone Beal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.

M. & S. Choice Mixed Gladiolus—Composed of all named varieties in gorgeous blending. Doz. 25c, 100 \$1.25.

For postage on all Gladiolus add 10c dozen.

M. & S. NAMED GLADIOLUS

America—A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded, many being open at one time. 40c doz., 100 \$2.00.

Augusta—A lovely variety for the garden, producing graceful, slender stems, which are dressed entirely with open flowers of white, slightly tinged and striped pink. 40c doz., 100 \$2.00.

Brenchleyensis—Splendid for garden effects, as all the flowers appear at one time. Vermilion scarlet color, ideal for planting in front of shrubbery. 35c doz., 100 \$1.75.

Baron Joseph Hulot—Deep indigo blue, slightly marked white at the base of the throat; very attractive when arranged with yellow flowers in a vase. Doz. 40c, \$2.00 per 100.

Priniceps—Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 8c each, doz. 50c, \$2.25 per 100.

Halley—Delicate flesh rose, with white blotch, very lovely. 35c doz., \$1.75 per 100.

BEGONIAS—TUBEROUS ROOTED

There hardly is a single garden in which there are not semi or entirely shaded spots where the average flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. If you have never grown them, try them this year. Start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st. Splendid pot plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.

SINGLE AND DOUBLE VARIETIES—Crimson, Orange, Pink, White, Yellow, Mixed; all 5c each, 50c doz., postpaid.

DOUBLE VARIETIES—In separate colors as above, or mixed, all colors; 5c each, 50c doz., postpaid.

M. & S. SUPERFINE CANNA BULBS

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

Culture—Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

Note—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page at 5c each, 50c doz., 100 \$4.50 (except where noted). Price of roots at bottom of list.

King Humbert—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or vice versa, placing it around a centre of a tall yellow variety. Roots 7c each, 75c doz., 100 \$6.00. Plants 10c each, 90c doz.

Charles Henderson—Grows 4 feet high; rich crimson; green foliage.

Florence Vaughan—Grows 5 feet high; green foliage; rich golden yellow, dotted red.

Austria—Pure canary yellow, reddish dots in centre, 3½ feet high, green foliage.

Italy—Yellow, blotched red, 5 feet high, green foliage.

Black Beauty—Deep crimson, bronze foliage, 6 feet high.

Mme. Crozy—Bright scarlet, golden border, 3½ feet high, green foliage.

Mme. Berat—The nearest approach to a pink; is a first-class bedder; 4 feet; green foliage.

Mont Blanc—The only pure white canna; large flowers; 3½ feet; green foliage.

Richard Wallace—Very large, 4 feet high, green foliage, yellow flowers.

Queen Charlotte—Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a centre of scarlet; 3 feet high, green foliage.

Egandale—Bronze foliage; currant red flower; 4 feet high.

Venus—One of the softest and most delicate varieties ever introduced; flowers fair size, soft, rosy pink, with border of creamy yellow; bright green foliage; 3½ feet.

Prices of the above or mixed, 5c each, by mail 8c; 50c doz., by mail 60c.



Gladiolus America

Nursery and Plant Department

We are pleased at all times to submit plans and suggestions for laying out hardy plant borders, evergreens, orchards, etc. We are not, however, prepared to undertake the planting thereof, but can recommend good, reliable parties for this. Correspondence solicited.

ROSES—Perpetual, Tea and Climbing

Special Directions for Planting Roses—Open a good space in the soil and spread roots; never cram them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above ground, and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within 6 inches above ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Blood Meal," "Ground Bone," "Pulverized Sheep Manure" or "Poudrette." Mulch the ground during summer. The best remedy against the rose bug is Thanatus; this positively destroys them and does not injure the flower or blossom.

TEA, OR MONTHLY BLOOMING ROSES

All our roses are two-year-old vigorous plants.

Killarney—This is, perhaps, the best known of Dickson's famous Irish Hybrid-Tea Roses, and is one of the most popular of our garden Roses, and also one of the leading varieties for winter cut flowers. It is perfectly hardy; in growth it is strong and robust, and as free-flowering as any Rose we know. In color is it a sparkling brilliant pink; the blooms are large, the buds long and pointed, the petals very large and of great substance, and just as handsome in the full-bloom flower as in the bud form.

White Killarney—A pure white sport of the popular Killarney Rose; identical in every way with its parent, excepting in color, which is a pure white.

My Maryland—One of the finest American introductions. Very free-flowering, every shoot bearing one or more flowers, which are double, of perfect form, of a bright but tender salmon-pink, which lightens up beautifully as the flower expands; delightfully fragrant.

Pink Maman Cochet—Deep rosy-pink.

White Maman Cochet—Snowy-white blooms.

Kaiserin Augusta Victoria—Pure white.

Gruss an Teplitz—Rich rosy-red.

Richmond—Fine dark red, good free bloomer.

Helen Gould—Rosy-red.

American Beauty—Deep crimson.

Hermosa—Fine, old, pink rose.

La France—Fine pink.

Laurent Carle—Deep rosy carmine; full flowers.

Chateau de Clos Vougeot—Deep velvety crimson; medium sized blooms.

Mrs. Aaron Ward—A conspicuous rose on account of its coloring which is new; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite.



My Maryland

W. R. Smith—Blush white, suffused bright rosy pink, with large, well-formed flowers.

Farbenkonigin, or Queen of Colors—A very attractive and shown variety, the large, fragrant flowers being a most desirable imperial pink. One of the most popular Roses in Europe; and especial favorite with German Rose-growers.

Etoile de France—Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open into an extra large flower.

Souvenir de Pierre Notting—A beautiful canary-yellow, suffused with apricot in the centre; flowers of good size; a very pretty rose.

Sunburst—Long pointed buds; golden orange flowers; very free bloomer and a strong grower.

Prince de Bulgarie—Silvery flesh, delicately shaded salmon and coppery yellow.

Radiance—Bright pink, full flowers; freely produced.

Friedrichsruhe—Dark velvety maroon red, very fine flower. **Dinsmore**—Beautiful bright red exquisite flower and good bloomer, very finely scented.

Miss Alice de Rothchild—Of recent introduction. In color a rich, deep citron-yellow, which intensifies as the bloom expands. The flowers are very large, full and of perfect form, with highly pointed centre; the petals charmingly reflex. The growth is vigorous, erect and free, continuous in blooming, deliciously fragrant; a superb Rose in every respect.

Souvenir de President Carnot—A Rose that pleases everybody; fine in form, of large size and delicate in color; a soft rose shading to white.

Rhea Reld—Splendid form; good rich red color; a grand rose.

Mrs. B. R. Cant—Clear, bright rose; very double and sweet; an immense bloomer.

Souv. of Watton—Fine red, good flower; profuse bloomer.

All two-year-old vigorous plants.

All of these varieties have given good results for outdoor culture. Price each 50c, \$5.00 per doz.

CLIMBING ROSES

Excelsior—A distinct variety in form, color and habit. The color is an intense crimson-maroon, with tips of the petals tinged scarlet. Flowers are large and double, produced thirty to forty on a stem, and almost every eye on a shoot produces a cluster of bright blossoms. The individual flowers are very large for a climbing Rose, being similar to those of the General Jacqueminot, only the petals are of a more loose form. This may be termed a great improvement on the Crimson Rambler, which it is sure to supercede, if only on account of its foliage, which is mildew proof; waxy, healthy and lustrous (see front cover). \$1.00 each.

White Dorothy Perkins—Exact counterpart of Pink Dorothy Perkins, excepting color, 50c each.

Reine Marie Antoinette—Frequently referred to as the red Gloire de Dijon. It is an exceptionally good variety and will please everyone who favors climbing roses. A sturdy climber and ever bloomer, thriving especially well in protected positions. Elegant in bud, with large, full, finely formed flowers of rich, brilliant crimson, fine large foliage, free from mildew. 75c each.

Silver Moon—Flowers very large, four and one-half inches and over in diameter, pure white in color, petals of great substance, beautifully cupped, forming a Clematis-like flower. The

large bunch of yellow stamens in the centre adds to its attractiveness. These flowers are borne on strong stems 12 to 18 inches long, and are delicately scented. The plant is a strong grower, with large, glossy bronze-green foliage. Strong two-year-old plants, 75c each.

Crimson Rambler—Large clusters of crimson flowers. 50c each.

Dorothy Perkins—Soft shell pink, flowering profusely in large clusters. 50c each.

Aviator Bleriot—(The New Yellow Rambler)—We have discarded the old yellow Rambler in favor of this new variety, in which we have a strong growing plant with beautiful glossy, insect and disease-proof foliage, and bearing large clusters of medium-sized full double flowers of a saffron yellow, deepening to an almost golden-yellow at the centre. Strong two-year-old plants. 75c each.

Climbing American Beauty—Flowers are very full, double, often 5 inches across and of a rosy crimson; a splendid pillar rose. Each 75c.

HYBRID PERPETUAL ROSES

All two-year-old vigorous plants.

General Jacqueminot—Brilliant scarlet-crimson; an old favorite and one of the best known roses in cultivation; does well everywhere.

Paul Neyron—Clear shining pink, very fine. The largest of all rose blooms, very double and full, finely scented, grows to a great height in a single season and stems are almost thornless.

Frau Karl Druschki—This is the ideal hardy white Rose, pure in color, perfect in form; strong grower and remarkably free-flowering; superb in every way. All each 50c, \$5.00 doz.

Geo. Dickson—A majestic Rose whose imperious size, contour, color, and rare perfume (rich syrupy-rose-tea)—each the last word in what a Rose should be—at once stamp it as a perfect Rose and a Rose without compeer. The color is velvety-black, scarlet-crimson with brilliant scarlet reflexed tips, with heavy and uniquely pure crimson-maroon veining on the reverse. The blooms open naturally. Awarded Gold Medal, National Rose Society of England. \$1.00 each.

M. & S. EARLY-FLOWERING CHRYSANTHEMUM PLANTS

Crimson Marie Masse—A crimson sport.

Ralph Curtis—Creamy-white sport of M. Masse.

Horace Martin—Deep-yellow sport of M. Masse.

Mlle. Marie Masse—Beautiful lilac mauve.

Bobby Burns—A rosy cerise.

White Quintus—Pure white.

M. Cassimer Perrier—White, tinted pink.

Louise Lemaire—Beautiful golden-yellow.

C. H. Totty—A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American trade.

Colonel Appleton—At one time the most largely grown yellow in cultivation. It is too well known to need description.

Mary Mason—Gigantic, bronzy red; one of the handsomest varieties and easiest doers in cultivation.

Mrs. O. H. Kahn—A first-class bronze; comes good on almost any bud, but produces the best color from a bud taken August 20th or later. One of the finest varieties in the bronze section.

All of these Early Flowering Varieties have given good results for outdoor culture. Ready for delivery after May 1st.

Each 10c, doz. \$1.00.

PERENNIAL PLANTS

Ready April 15th.

For postage add 5c each.

	Each	Doz.	100
Gallardia —(Blanket Flower).....	\$0.15	\$1.50	\$10.00
Helianthus —(Hardy Sunflower).....	.15	1.50	10.00
Hollyhock —Single and double, all colors...	.20	1.75	12.50
Iris Germanica —(German Iris) all colors...	.15	1.50	10.00
Iris Kaempferi —(Japanese Iris) all colors...	.25	2.50	15.00
Iris Siberica —All colors.....	.20	1.75	12.50
Rudbeckia —(Coneflower).....	.20	1.75	12.50
Pyrethrum —(Featherfew).....	.15	1.50	10.00
Veronica —(Speedwell).....	.20	1.75	12.50
Aconitum —(Monkshood or Helmet Flower).....	.25	2.50	15.00
Primula —(Hardy Primrose).....	.20	1.75	12.50
Shasta Daisy —(Alaska).....	.25	2.50	15.00
Gypsophelia —(Baby's Breath).....	.20	1.75	12.50
Anthriscum —(Snapdragon) all colors.....	.15	1.50	10.00
Hardy Aster —All colors.....	.15	1.50	10.00
Campanula —(Bell Flower) all colors.....	.20	1.75	12.50
Golden Glow.....	.15	1.50	10.00
Chrysanthemums —All colors, large flower- ing and pompous.....	.12	1.25	7.50
Dianthus —(Garden Pinks) all colors.....	.15	1.50	10.00
Delphinium —(Hardy Larkspur) all colors.....	.15	1.50	10.00
Digitalis —(Foxglove) all colors.....	.20	1.75	12.50
Phlox —(Hardy) all colors.....	.20	1.75	12.50
Popples —All colors.....	.25	2.50	15.00
Hardy Salvia —(Blue).....	.25	2.50	15.00
Sweet William —All colors.....	.15	1.50	10.00
Aquilegia —(Columbine).....	.20	1.75	12.50
Paeonia —All colors.....	.25	2.50	15.00
Lily of the Valley Clumps.....	.20	1.75	12.50
Coreopsis —All colors.....	.15	1.50	10.00
Candituff —(Little Gem) all colors.....	.20	1.75	12.50
Funkia —(Plantain or Day Lily).....	.25	2.50	15.00
Splea.....	.15	1.50	10.00
Hardy Dusty Miller.....	.15	1.50	10.00
Hardy White Pea.....	.20	1.75	12.50
Marshmallows —(Pink and White).....	.20	1.75	12.50

CHOICE BEDDING PLANTS

Ready April 15th to June 1st. Special prices in quantities.

Verbenas, Nasturtiums, dwarf and tall; Alyssum, Coleus, Lobelia, Cosmos, Ornamental Grasses, Alternanthera, Ageratum, blue and white; Lantana, Mignonette, Wandering Jew, Parlor Ivy, Ivy and Rose Geraniums, Fancies, Cigar Plant, Dusty Miller, Scarlet Sage, Bonfire Dwarf, Splendens, tall; Abutilons, dwarf border plant; Asters and many more. 5c each, 50c doz.

Geraniums—All popular varieties from 4-inch pots, \$1.00 doz., 3-inch pots, 75c doz.

Petunias, Heliotrope, Fuchsias, Snapdragon, Sultana, Moon Vines, etc., 10c each, \$1.00 per doz.

HEDGE PLANTS

California Privet—Exceedingly beautiful; leaves deep green, bright and very glossy; easily transplanted. The plants we supply have been grown under our own supervision, and only selected stock is sent out. It is unlike a fence which needs painting, repairing, etc., and never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Baltimore. Privet is somewhat of an Evergreen nature, and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive an additional liberal application of Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zigzag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 1st to November 15th, and from March 15th to May 15th.

Two years, 3 to 4 ft., \$5.00 per 100; \$37.50 per 1,000. Two years, 2 to 3 ft., \$4.00 per 100; \$32.50 per 1,000. Two years, 1½ to 2 ft., \$3.50 per 100; \$25.00 per 1,000.

Berberis Thunbergii (Japanese Barberry)—A good, hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Price of Berberis, 1½ to 2 ft., \$2.00 per doz.; \$15.00 per 100. 2 to 2½ ft., \$4.00 per doz.; \$27.50 per 100.

HARDY AND DECORATIVE DICIDUOUS SHRUBBERY

The Everblooming Butterfly Bush (Buddleia Variabilis Magnifica)—Recently introduced by a leading Philadelphia Seed House. Read what they say about it.

It was a matter of some thought before we finally christened this highly desirable plant with the common English name by which it goes. Several years ago we imported from Europe some plant novelties and this was among them. We observed it carefully for a season, and were charmed with its beauty, ease of culture and free-flowering habit. The name, "Butterfly Bush," was applied to it because it seemed to attract butterflies in large numbers. Particularly we noticed that it was not the common little yellow species of butterfly, but rather the large and gorgeously colored ones that swarmed about it as though vying with it in brilliancy of color. This shrub from a young plant set out in May will mature to full size the first season, producing a handsome bush which the first year often attains a height of four feet. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flowerhead which is frequently ten inches long. A single plant the first season will throw out as many as 50 flower spikes,

The Everblooming Butterfly Bush

which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frosts nip it. It is rather semi-herbaceous, by which we mean in some latitudes it will die down to the ground and, while perfectly hardy, we do recommend covering the roots with manure, as winter approaches, as this will produce a heavy growth the following season. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border.

Special Merits:

Very hardy, blooms the first season, flowers from early summer till frost, rich, striking color, splendid for cutting, very free flowering, will thrive anywhere.

Order early, as last year we could not supply sufficient. Price for strong young plants, which will bloom the first season, if set out early (ready in May), 25c each, postpaid 30c; \$2.50 per dozen.

Hydrangea Paniculata Grandiflora—The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong plants, 50c each, per doz. \$5.00.

Hydrangea Arborescens Grandiflora Alba (Snowball Hydrangea)—The snow-white blooms are of the largest size. It comes into bloom early in June, lasting until late August. Is more hardy than any other sorts, and especially suited to plant in shaded places. 50c each, \$5.00 doz.



Iris Germanica. See page 29

Hydrangea—Tree, white turning red. \$1.00.

Hydrangea Hortensia Otaska—These stately plants make ideal showy effects, especially desirable for seashore. If protected in the winter, they will live outdoors for years.

Rich pink. Strong plants, 50c each, doz. \$5.00. Large plants, \$1.00 each.

This class of Hydrangeas (Otaska) can be changed to blue by mixing into the soil around the plant a few handfuls of soot or iron filings. If this is not obtainable some lump alum broken into small pieces can be substituted, about one-half pound to each plant.

Gentlemen: The Butterfly Bush I bought of you is 5 feet high and 5 feet in diameter; flowers 8 to 12 inches long. There were 175 flowers on one bush which has been blooming since June 1st.

Yours truly,

CHARLES W. ARMIGER,

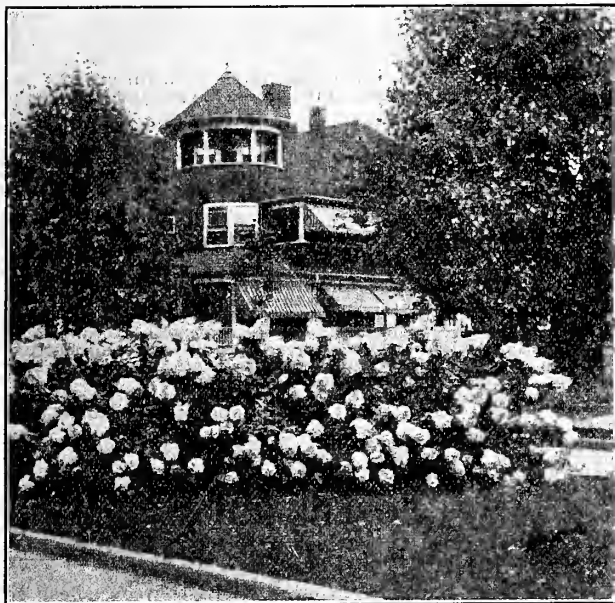
3019 Brighton Street, Walbrook, Md., September 22, 1914.

I planted some of your "M & S." Sweet Pea Mixture last October and I have never had such beautiful flowers before.

HARRY M. REVER,

2202 Boston Street, Baltimore, Md.

Capt. J. M. Moore, Revenue Cutter Service, Arundel Cove, Md., tells us that he was highly pleased with results he obtained from flower and vegetable seeds purchased from us.



Hydrangea Paniculata Grandiflora. See page 30

Tritoma (Flame Flower, Torch Lily or Red Hot Poker Plant)—In midsummer and autumn, when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. The roots are considered hardy, though we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fill every need.

Pfitzeri—Blossoms from August till October; rich orange scarlet. See back cover page for colored illustration.

We are now taking orders for next May delivery for good, strong, plants. **25c each.**

Almond—Red or white flowering. **75c.**
Althea—White, purple, red. **50c.**
Bridal Wreath—White flowers. **50c.**
Dutzia—Pink or white flowering. **50c.**
Forsythia—Yellow, very early. **50c.**
Golden Elder—**50c each.**
Jessamine—Yellow. **50c each.**
Lilac—Purple or white flowering. **50c.**
Magnolia—White and purple flowering. **\$2.50.**
Mock Orange—Golden leaved. **50c.**
Purple Fringe—**50c. each.**
Pyrus Japonicus—Japan Quince, scarlet. **50c.**
Spireas—Crimson, white or pink flowering. **50c.**
Snow Berry—White. **50c each.**
Snow Berry—Red. **50c each.**
Snowball—Japanese and common. **50c.**
Tamarix Africano—**50c.**
Weißeas—White, crimson, pink. **50c.**
White Fringe—**50c each.**

EVERGREEN SHRUBS AND TREES

Mahonia Aquifolia—Holly-like leaves, very handsome yellow flowers in May; especially good for shady places; 18 to 24 inches. **50c each, \$5.00 per doz.**

Rhododendrons—One of the most beautiful plants in cultivation; either as a single specimen or in masses; we have an assortment of colors; 18 to 24 inches. **\$2.00 each.**

Yucca (Adam's Needle)—This plant sets off to best advantage if placed as individual specimens either on the lawn or in the

shrubby border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-like spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers in July and August. Truly a majestic plant, and especially fine for producing tropical effects. **50c each, \$5.00 per doz.**

Arborvitae American, Fir, Balsam and Nordmans, Juniper, Irish and Japanese, Pine, White, Scotch and Austrian Retinospora, Plumosa and Plumosa Aurea, Squorasa Veitchii, Spruce, Norway, Kosters and Colorado Blue Yew, Drupacea and Fortunis Boxwood. Small Trees from **\$1.00 to \$2.00.** Larger trees, price as to size and variety. Let us quote you.

HARDY CLIMBING VINES

Clematis—Large flowering hybrid; purple, white or red. **50c each.**

Clematis Paniculata—Small; white flowering; very fragrant; strong grower. Most satisfactory Clematis that grows. Large plants. **35c each.**

Wisteria—White and purple. Two years old. **50c each.**

Trumpet Vine—Two years. **50c each.**

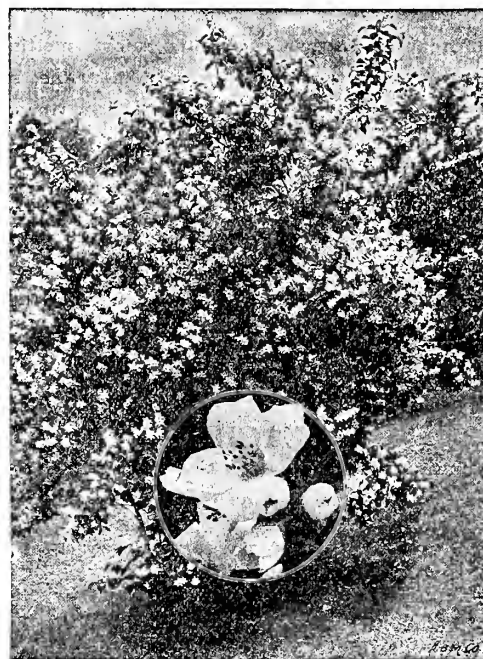
Honeysuckle—Popular climber. **25c.**

Ampelopsis Veitchii (Boston Ivy, or Japan Ivy)—The most popular climbing plant for covering brick, stone, or wooden walls, trees, etc.; when it becomes established it is of very rapid growth, and clings to the smoothest surface with the tenacity of ivy; the foliage is of a rich olive green during the summer, changing to various shades of bright crimson and scarlet in the fall. In planting Ampelopsis of all kinds, the plants, if still in a dormant condition, should be cut down to within 6 inches of the ground, so that the new growth may cling to the wall or tree from the bottom up. Extra strong two-year-old plants. **25c each, \$2.50 per doz.**

ORNAMENTAL GRASSES—Strong Clumps

Pampas Grass—Eulalia. Striped lengthwise. **35c each, \$3.00 doz.**

Pampas Grass—Zebrina. Striped crosswise. **35c each, \$3.00 doz.**



The Name Mock Orange Is Almost a Sufficient Description

You should not fail to include in your order the Ever-blooming Butterfly Bush described on page 30.



Clematis Paniculata

Our wonderful New Climbing Rose Excelsior is described on page 29.

Fruit Trees and Berries

CHERRIES

Black Tartarian Cherry—Very large; purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July. One of the most popular varieties in all parts of the country.

Governor Wood, Yellow; Florence, Red; English Murillo, Red, tart, and other leading varieties. 50c each.

APPLES

Baldwin—Large, roundish; deep bright red; very productive; handsome fruit. One of the most popular varieties in Northern States.

Ben Davis—Large, handsome, striped, productive; a late keeper. A profitable market sort.

Grimes' Golden (Grimes' Golden Pippin) — Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.

Maiden's Blush—Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant sub-acid flavor.

Red Astrachan—Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

Rhode Island Greening—Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

Smokehouse—A popular old variety in Pennsylvania, where it originated. Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish. A rather crooked grower, but productive.

Northern Spy—Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor. The tree should be kept open by pruning, so as to admit air and light freely.

Wine Sap—Medium size, dark red; of rich flavor, very productive; late.

Any of the above in 6 to 8 ft. trees. 50c each, doz. \$5.00. We can also supply all other varieties, also Crab Apples.

PEARS

Bartlett—Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

Flemish Beauty—Large, beautiful, juicy, melting; good bearer; one of the hardiest and does well nearly everywhere.

Howell—Large, light, waxy yellow, with a fine, red cheek; handsome, rich, aromatic flavor. An early and profuse bearer.

Kelffer—While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving.

Lawrence—A good grower; very productive. Fruit medium, anary-yellow, sweet and excellent; a good keeper.

Le Conte—Very vigorous grower, with luxuriant foliage; fruit very large, greenish-yellow, smooth and handsome; juicy. Early.

Rossney—A large variety of rare merit; flesh fine grained and of superior flavor; skin a beautiful creamy yellow, with crimson blush, giving it a tempting appearance; ripening in September.

Worden-Seckel—A seedling of the Seckel. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, while in size, color, form and appearance it is decidedly superior; hardy and an enormous bearer; fruit keeps well.

Extra strong Trees, 5 to 7 feet high, 50c each, per doz. \$5.00. We can also supply all other varieties.

PEACHES

Trees such as we furnish will often bear the year after they have been set out.

Crawford's Early—The best yellow peach for market; fruit large, oblong; skin yellow, with fine red cheek; flesh yellow, juicy; wonderfully productive.

Crawford's Late—Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts.

Elberta—Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Is doing well in all peach sections north and south. One of the leading market varieties. Follows Early Crawford.

Mountain Rose—The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

Oldmixon Free—Uniformly large; white, covered with bright red; one of the best.

Stump the World—Very large; skin white, with bright cheek; flesh white, juicy and good.

Extra Strong Trees, 5 to 6 feet high, 40c each; per doz. \$4.00. We can also supply all other varieties.

PLUMS

Abundance—The fruit is very large, showy, and beautiful. Amber, turning to a rich, bright cherry color. Ripens early in August.

Burbank—Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow; from two to four weeks later than Abundance.

Hale—The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

Red June (Japan)—Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

Sultan—Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

Wickson—Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper. Ripens after Burbank.

Wild Goose—Large, rich, crimson; very productive and profitable.

Extra Strong Trees, 5 to 6 feet high, 50c each, \$5.00 doz. Quinces, Apricots and other fruit trees, as well as nut trees, can be furnished promptly at reasonable prices for Reliable Stock.

CURRENTS (Extra Strong Plants)

Currents like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Black Naples—Fruit varies from small to large, averaging above medium; strong flavor. An old and well known variety.

Cherry—Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currents.

Fay's Prolific—Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

White Grape—Clusters long; berries very large; of very attractive color, mild flavor and good quality.

All the above 15c each, \$1.25 doz.

GOOSEBERRIES

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Downing—Fruit medium to large, whitish green; flesh soft, juicy. Each 20c, per doz. \$2.00.

Houghton—Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale, red, tender and good. 20c each, \$2.00 per doz.

Blackberries—Popular varieties. 15c each, \$1.25 doz.

RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

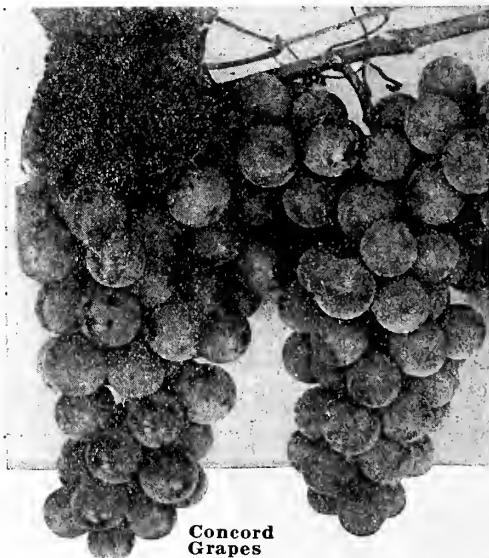
Brilliant—Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. 15c each, \$1.25 doz.

Cuthbert—Berries very large, measuring 3 inches around; conical; rich crimson. 15c each, per doz. \$1.25.

Columbian—Fruit very large, often an inch in diameter; color dark red, bordering on purple. 15c each, \$1.25 doz.

St. Regis—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November. 20c each, \$1.50 doz.

GRAPE VINES (Strong Two Year Old Stock)



Concord
Grapes

Concord—The well-known standard purple variety, succeeds wherever grapes will grow.

Delaware—Bunchies and berries rather small; light red; juicy.

Catawba—Delicious flavor, medium size red berry.

Niagara—An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

We can furnish all kinds of books on Horticulture and Gardening, if interested, write.

STRAWBERRY PLANTS (Extra Strong Layers)

Ready from April 1st to May 15th, and from October 1st to November 15th.

Early Varieties—Abington, Chipman, Senator Dunlap, Success.

Mid-Season Varieties—Auto, Bubach, Cardinal, Heritage, Nick Ohmer, President, William Belt, Marshall.

Late Season Varieties—Brandywine, Gandy, Glen Mary, Norwood, New Home Superior, Sample, Sharpless, Steven's Late Champion, Haverland.

Price of any of the above 25c doz., 100 \$1.25, 1,000 \$7.50.

Pot-Grown Strawberry Plants—Ready about August 1st. Of late this kind of plant has become very popular, and is almost exclusively employed for garden planting. The failures are few, and much care and labor are avoided. We grow the plants in pots, and when they are well established and ready to ship turn them out of the pots, preserving the balls of earth around the roots and wrapping them in paper. In this way, during the hottest weather in July, August and September, plants can be transplanted safely and satisfactorily. Plants set out in August and September will yield a crop next season. We can furnish Sharpless, Late Orem, Medium, Nick Ohmer, Early and other popular varieties. 50c doz., 100 \$3.50.

SHADE TREES

Norway Maples—8-10 ft. \$1.25, 10-12 ft. \$1.50.

Silver Maples—10-12 feet \$1.00.

Catalpa Bungei—grafted, 6-8 feet \$2.00.

Poplar, Carolina—10-12 feet \$1.00.

Poplar, Lombardy—8-10 feet 75c.

Teas Weeping Mulberries—5-6 feet \$2.00.

Weeping Willows—5-6 feet 75c.

Betula Alba or White Birch—8-10 feet \$1.00.

American Lindens—8-10 feet \$1.00.

Japanese Maple—Blood Leaf. 2-3 feet \$2.25.

Cornus Rubra, or Red Dogwood—2-3 feet \$1.50.

Cornus Florida, or White Dogwood—3-4 feet \$1.50.

Oriental Plane—10-12 feet \$1.00.

American Elm—10-12 feet \$1.00.

Tulip Tree—8-10 feet \$1.00.

Sycamore—10-12 feet \$1.00.

Write for prices on larger quantities.

M. & S. PREPARED FIBRE COCOANUT SOIL

Grow Your House Bulbs Without Soil, Drainage or Saucers.

The Best and Most Charming Way of Producing Spring Flowets for House and Table Decorations.

Highly recommended and valuable for wornout soils. Should be worked in with soil. For lawns, trees, hedges and shrubbery. Also for house plants of all descriptions. It does not create or retain bugs or flies, and is clean and odorless. For mushrooms it is the missing link, a cover for the beds; holds just enough moisture, mix three-fourths "M. & S." Prepared Fibre Cocoanut Soil with one-fourth loam and your plants will be the right color and of uniform size. Qt. wt. 1 lb. 10c, 4 qts. wt. 5 lbs. 20c, pk. wt. 9 lbs. 35c, bu. wt. 35 lbs. \$1.00, 100-lb. bags \$1.75.

Fertilizers—If to be sent by Parcel Post, please include sufficient for postage charges on cash orders.

FERTILIZERS AND PLANT FOODS FOR THE FARM, GARDEN, LAWN AND HOUSE PLANTS

Ober's Pure Raw Bone Meal—(Guaranteed analysis—Phosphoric acid 21%, equivalent to bone phosphate of lime 48%, ammonia 4½%.) Does not burn. For flowers, trees and top dressing. 1 lb. 5c, 25 lbs \$1.25, 100 lbs. \$3.25, 200 lbs. \$6.00, ton \$45.00.

Ober's Pure Bone Meal—(Guaranteed analysis—Phosphoric acid 22%, equivalent to bone phosphate of lime 50%, ammonia 3%.) Splendid article for building up worn out soil, lawns, etc. 1 lb. 5c, 25 lbs. 1.10, 100 lbs. \$3.00, 200 lbs. \$5.50, ton \$43.50.

Ober's Lord Baltimore Lawn Mixture—Highly recommended for lawns and other grasses. 165-lb. bag \$3.50, ton \$34.00.

Ober's Star Vegetable Compound—5-8-1. Lands suitable for trucking are the highest priced lands in America, and profits must necessarily be large. Successful market gardeners realize that the liberal use of commercial fertilizers mean: First, strong and healthy plants; for plants, like persons, are, when poorly nourished, very subject to disease. Second, early and large crops, which result in more profit per acre. Third, sweet and tender fruit, the result of rapid growth and quick maturity. For foliage crops, such as cabbage, lettuce, spinach, etc., ammonia is needed; for woody plants and for fiber, phosphoric acid; for fruit, sugar and starch productions, potash. Star Vegetable Compound meets all these conditions and is excellent for general use in market gardening. Ton \$38.50, 165-lb. sack \$4.25, 100 lbs. \$3.00, 50 lbs. \$2.00, 25 lbs. \$1.10, 1 lb. 5c.

Ober's Nitro Potash Compound—2-9-1. To be highly recommended for potatoes and vegetables. 165-lb. bag \$3.00, ton \$30.00.

Ober's Independent—1-8-1. A good, all-round fertilizer. 165-lb. bag \$2.75, ton \$26.00.

Ober's Red King Guano—3-8-1. A great favorite for general truckers. 165-lb. bag \$3.25, ton \$32.50.

Ober's Electro Compound—1-10-0. A general crop producer. 165-lb. bag \$2.25, ton \$21.00.

Acid Phosphate, or South Carolina Rock—16 per cent. Bag \$2.25, ton \$20.00; 14 per cent \$18.00 per ton.

NATURAL PLANT FOOD ALPHANO HUMUS

The best for flowers, shrubbery, vegetables, lawns and Alfalfa clover inoculation, being the best Humus obtainable and containing the necessary **Plant Food**: Ammonia, Phosphates, Lime and Potash, in a soluble form. Being odorless and entirely sanitary it can be used indoors around potted plants. We can recommend a liberal use for bulbs of all kinds for fall planting, and it should be dug in well around all shrubbery in the fall, to give good results next spring. Price, \$1.50 per bag of 100 lbs., in 5 bag lots, \$1.25 per bag, in ton lots, \$1.00 per bag, 3c per lb. in small quantities.

Sheep Manure—Apply 1000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure, it is clean and easily handled, besides giving immediate results. 1 lb. 5c, 25c per 6 lbs., 10 lbs. 40c, 75c per 25 lbs., 50 lbs. \$1.00, \$1.75 per 100 lbs., 500 lbs. \$8.50, \$16.00 per 1000 lbs., per ton \$30.00.

Poudrette (Native Guano)—Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled, besides giving immediate results. Poudrette is absolutely harmless to human being. Applied as fertilizer to any garden crop. 5 lbs. 20c, 35c per 10 lbs., 25 lbs. 60c, \$1.00 per 50 lbs., 100 lbs. \$1.50, \$2.75 per 200 lbs. 600 lbs. \$6.00, \$9.50 per 1000 lbs., per ton \$18.00.

Lime (Hydrated or Powdered)—This is a very fine article for distributing on grass. It promotes growth; gives the grasses rich color, and has a tendency to prevent the growth of weeds; sweetens sour soil. Apply one ton per acre of fields or ½ ton on lawns. 25c per peck, 120-lb. sack \$1.00, 200 lbs. \$1.50, ton \$10.00. Special price in carload lots and f. o. b. factory.

Nitrate of Soda—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizer to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ounces to one gallon of water and do not apply oftener than twice a week. 10c lb. Write or inquire for prices in larger quantities.

Land Plaster—Apply about 1000 to 1500 lbs. per acre. For a top dressing on sour and wornout soils, also for mixing with Paris Green. 5 lbs. 15c, 35c per 25 lbs., 50 lbs. 60c, 90c per 100 lbs., 200 lbs. \$1.25, \$10.00 per ton.

Blood (Dried)—For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 10c per lb., 3 lbs. 25c, 25 lbs. \$1.50, \$2.25 per 50 lbs., 100 lbs. \$4.00, \$7.50 per 200 lbs.

Salt—For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre; in early spring. 10 lbs. 20c, 30c per 25 lbs. 50 lbs. 55c, \$1.00 per 100 lbs., 200 lbs. \$1.50, \$10.00 per ton.

Tobacco Stems—For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. Lb. 5c, 20c per 5 lbs., 50 lbs. \$1.00, 100 lbs. \$1.75.

They contain those ingredients in their proper proportions that are necessary for healthy plant life. Their use promotes a luxuriant, vigorous growth of branch leaf and flower. Thousands of plant lovers who do not keep plants would do so if they knew how beautiful and luxuriantly they could make them bloom by feeding them Sterlingworth Plant Tablets. Prices: Large size, 25c, postpaid, trial size 10c, postpaid.

"Fluereite"—A liquid plant food. Makes strong and rapid growth, gives luxuriant foliage, enlarges and nurtures the bloom. Carefully prepared so as not to injure the tenderest shoot peeping through the soil or the most delicate fronds of the fern. Destroys all germs that breed insects in the soil and feeds the plant at the same time. To be diluted with water and it is ready for use. ½ pt. 15c, pt. 25c, qt. 40c, ½ gal. 75c, gal. \$1.15. Sent by express only.

Evergreen Brand Fertilizer—Feed your flowers and plants on the most reliable and profitable plant food. Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Can be used in liquid and in dry form. 15c lb. 12-lb. cans \$1.25, 50-lb. drums \$4.50.

It is a Fish Oil Soap the killing value of which are increased by the addition of tobacco and tobacco extractive matter, it possesses the valuable features of Whale Oil or Fish Oil Soap with the additional insecticidal values of tobacco and may be used for all insect killing purposes for which

Whale Oil or Fish Oil Soap may be used with doubly satisfactory results. Lb. 15c, 5 lbs. 60c, 10 lbs. \$1.00, 25 lbs. \$2.40, 50 lbs. \$4.50, 100 lbs. \$8.50.

We just received this order from Miss Martha Schurmann, Roland Park, Md.: "Please deliver to bearer one-half dozen bottles 'Thanatus' and one-quarter dozen 'Fluereite.' These two articles surpass by far anything of their nature I have ever used."

STERLINGWORTH PLANT TABLETS



STERLINGWORTH FISH OIL SOAP

M. & S. INSECT DESTROYING PREPARATIONS

Nico-Fume Liquid—A refined solution of free nicotine. Used as a spray or fumigator. Death to all kinds of insects that infect plant life. One ounce bottle 25c, enough for any ordinary size garden for a whole season. ¼ lb. can 50c, lb. can \$1.50, 4-lb. can \$5.50, by express only.

Black Leaf 40—A concentrated solution of Nicotine Sulphate, an excellent spray for black aphid sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. ½ lb. makes 47 gal. solution. Full directions on each package. ½ lb. 75c, \$2.50 per 2 lbs., 10 lbs. \$10.75, by express only.



Lemon Oil "Standard" Insecticide—As a dip or a spray effective and harmless to delicate plants. Destroys thrip, scale, red spider fly, caterpillar, American blight, etc. Dilute with 50 parts of water. Odorless, poisonless, the best flea killer, wash and mange remedy for dogs and cats. ½ pt. 25c, pt. 40c, qt. 75c, ½ gal. \$1.25, gal. \$2.00. Sent by express or freight only.

Sulpho-Tobacco Soap—A sure and safe exterminator of all kinds of insects and vermin. A powerful fertilizer. Pkg. 10c and 20c.

Tobacco Dust—Lb. 5c. Special price on quantity.

Flowers of Sulphur—Effective for mildew. Lb. 10c, 5 lbs. 40c.

In ordering Insecticide, etc., by Parcel Post, always include the right amount of postage. Look at Parcel Post table in back of book.



"Thanatus"—An insecticide to destroy mealy bugs, snail, green fly, red and black spider, black flea, scale and all insects that infest plant life. It is perfectly harmless to the bloom, bud or plant, and contains no poison or acid; in fact, a flower could be soaked in this solution for several minutes without doing any damage whatsoever. No solution now on the market is as harmless and so effective. "Thanatus" is very adaptable for all indoor plants, and always ready for use by diluting with water. Directions on label. ½ pt. 25c, pt. 40c, qt. 75c, ½ gal. \$1.00, gal. \$1.75, 5 gal. \$5.00.



Hammond's Slug Shot—A non-poisonous powder; it requires no further mixing or preparation; easily applied, and not injurious or dangerous to animals or the person applying it on fruits and vegetables treated; destroys potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. Ten to forty pounds is enough for an acre. Cartons 10c, 5-lb. pkg. 25c.

"Bug Death"—Kills potato, squash and cucumber bugs, currant and tomato worms, and all bugs and worms that chew the leaves of plants; non-poisonous. Lb. 15c, 3 lbs. 35c, 5 lbs. 50c, 12½ lbs. \$1.00, 100 lbs. \$7.50.



Dickey Duster—Used for applying "Bug Death," 25c, Parcel Post weight 2 lbs.

Paris Green—¼ lb. 10c, ½ lb. 15c, 1 lb. 30c. Price subject to change.

Bordeaux Mixture in dry form. 1 lb. 35c, 5 lbs. \$1.50.

White Hellebore—For rose slugs, currant worms, etc. ½ lb. 20c, lb. 35c.



Grape Dust—A powder preparation used for mildew, aphid, black fly, and other insects and fungous diseases, principally in greenhouses. Per 5 lbs. 40c, 75c per 10 lbs., per 25 lbs. \$1.75, \$6.00 per 100 lbs.

Blue Stone, or Copper Sulphate—Lb. 20c. Price on quantities on application.

"Nico-fume"—A tobacco paper insecticide for fumigating greenhouses. Extensively used by prominent florists. Very easy to apply. 24 sheets 85c, 144 sheets \$4.00.

Aphis Punk—A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphid, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg. 60c, \$6.50 per 12 pkgs.

Stott's Fir Tree Oil Soap—A non-poisonous insecticide for use on trees and plants of all kinds. Used on animals, it will cure mange and all skin diseases, and it is most effective for destroying fleas and other insects. One ounce makes one gallon. ½-lb. cans 25c, 2-lb. cans 75c.

ORIOLE WEED KILLER

A scientific preparation for destroying grass and weeds in paths, roadways, streets and gutters. To be diluted with water. Qt. 35c, 1 gal. \$1.00, 5 gals. \$4.00, 10 gals. \$7.50, barrel lots 65c per gallon. One gallon makes 40 gallons of solution. By express or freight only.

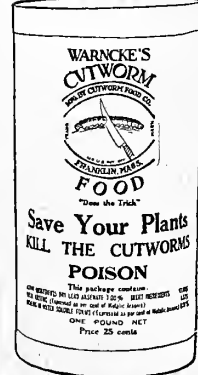
Is a non-poisonous dypowder for sowing on the lawn and a d-heresto the broad flat leaves of such weeds as milk weed, witch grass, wild morning glory, dandelions, poison ivy, sumach, etc. It does not stick to the grass because of its upright position and smooth surface. The ingredients in combination with the sun's rays burn out the weeds. The compound has an invigorating effect on the grass, which stimulated by it springs up rapidly and gets ahead of the weeds that have been stunted and killed by the compound and quickly chokes them out. The use of Sterlingworth Lawn Compound helps give to the grass a beautiful rich bottle-green velvety color so much admired by lovers of good lawns. Two applications will clean out the most heavily weeded lawn. In many instances one application will do it. Do not dig out weeds, it leaves bare spots and holes. Sterlingworth Lawn Compound is easily applied by springling over the weedy lawn. One pound will dress 100 or 200 square feet, depending on the lawn's condition. 5 lbs. \$1.00, mailing weight 6 lbs.

STERLINGWORTH LAWN COMPOUND



Dalmation, or Persian Powder—For ridding buildings of all kinds of various insect pests. Particularly for the smaller and creeping kinds, as it is not strong enough to destroy large or more hardy insects. Per lb. 75c.

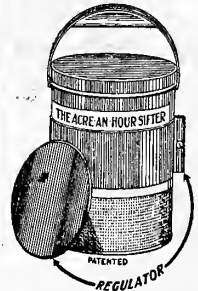
WARNICK'S CUTWORM FOOD



Simply put the Food on the ground around the plant in the afternoon, when the ground is not wet; and one night, or possibly two, will practically rid the field of the worms there. If it rains within 40 hours after putting on the Food a second dose should be applied, so that the effective part of the Food may not be washed out until the worm can get at it. Very rarely in the North, but more frequently in the South, a second crop of worms appear, and a later application of the Food is necessary to overcome them.

One pound will protect 75 to 100 plants, which makes the expense either of cash or time, very small; almost nothing compared with the value certainly saved. 1-lb. pkg. 25c, 5-lb. pkg. \$1.00, 10-lb. pkg. \$1.50.

ACRE AN HOUR SIFTER

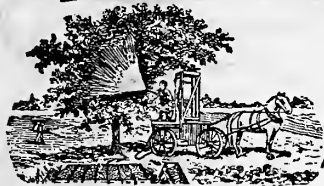


For dusting vegetables, potatoes, small fruit and shrubbery with Paris Green, Slugshot, Bugdeath, Hellebore, etc. 50c each. Parcel Post weight 2 lbs.

In ordering goods to be sent by parcel post always include enough cash for the postage.

Dr. J. C. Butler, Mt. Washington, Md., tells us that he has had most wonderful results from our Flower and Vegetable seeds.

M. & S. INSECT DESTROYING PREPARATIONS—Continued

"ELECTRO"**SPRAY CHEMICALS**

40c, 6-lb. kits \$1.80. Special prices in quantity.

Electro Arsenate of Lead Paste—Is supplied where a paste form is desired. The material is guaranteed to contain 20% arsenic oxide on a basis of 40% water. Most paste forms of arsenate of lead contain but 12½ to 15% arsenic oxide and 50% of water. This material has all the chemical qualities of the Powder and is in the same physical condition, except that it is packed in paste form. 1-lb. jars 30c, 2-lb. jars 50c, 12½-lb. kits, \$2.25. Special price in quantity. Express or freight only.

Electro Bordo-Pulp, or Bordeaux Mixture—Is a scientific compound of copper sulphate (blue vitrol) and high-grade lime for use as a fungicide only. It is not poisonous to insects. This is Bordeaux Mixture (one of the oldest fungicides known) in a concentrated form. It has long been found satisfactory for the control of fungous diseases.

Because of the fact that we can carefully watch the crude materials as well as the process of manufacture, we can turn out a concentrated Bordeaux better than the grower at home who must utilize crude methods. 1-lb. jars 40c. Prices on larger quantities furnished on application. Express or freight only.



Tomato Horn Worm

Electro Bordo-Lead Mixture—A great substitute for Pyrox. This is a combination of our 20% Electro Arsenate of Lead Paste and Electro Bordo-Pulp in proper proportions. Ten pounds of this in 50 gallons of water will be equivalent in arsenate of lead to approximately 5 lbs. of our 20% Arsenate of Lead Paste, and in Bordeaux to the 4-4-50 formula.

The remarks on Electro Bordo-Pulp are also true of the Bordo part of this mixture. Consequently, you will see that this is a very desirable spray material to use, giving a combined fungicide and insecticide ready for use, requiring only thinning down and addition to water. This mixture is especially adapted for a combined spray on potatoes, tomatoes, etc. 1-lb. jars 40c. Special price in quantity. Express or freight only.

Electro Kerosene Emulsion—This is for spraying plant lice, aphids, leaf hoppers, etc. It is readily soluble in water, and should be diluted for the various insects and fruit trees per directions on the label. 1-qt. cans 40c, 1-gal. cans \$1.00, 5-gal. cans \$3.75. Special price in quantity. Express or freight only.

Electro Insecticide Soap—Superior substitute for whale oil soap. Oil soap is especially valuable as a spray for lice and soft-bodied larvae. By our process we obtain an oil soap which does not contain free alkali. This is a very important item, as the presence of free alkali means severe injury to foliage and fruit. Unlike most so-called whale oil soaps on the market, this is not a by-product with us, but is especially prepared for the purpose for which it is required, and consequently much greater care is used in its manufacture. 1-lb. cans 25c, 5-lb. cans 90c, 10-lb. kits \$1.25. Special price in quantity.

In ordering Insecticide, etc., to be sent by Parcel Post, always include the right amount of postage. Look at Parcel Post table in back of book.

VREELAND'S MICRO

For Dusting Potatoes, Corn, Tomatoes, Etc.

The control of chewing insects on ground crops by dusting is just as effective, more economical and often more convenient than by wet spraying. Vreeland's "MICRO" is a perfect dust-spray, combining with it such fungicidal properties that an extra fungicide spray is not necessary in many instances. 1-lb. cartons 40c, 6-lb. kits \$1.50, 12½-lb. kits \$2.25. Special prices in quantity.



Cabbage Worm

Baltimore, December 10, 1913.

The Meyer-Stisser Co., Baltimore, Md.,
Gentlemen: I am instructed by our Board of Directors to notify you that your bid to furnish Poultry and Pigeon Feed for our show to be held January 6 to 10, 1914, has been accepted.
Very truly yours,
G. O. BROWN, Secretary.

"Electro" Tree Wound Paint—Is used for painting the wounds on trees after pruning or where canker has been cut out. It makes a perfectly smooth surface, impervious to water, and it is a splendid disinfectant. One application is all that is necessary. 1-qt. cans 50c, 1-gal. cans \$1.50, 5-gal. cans \$6.25. Special price in quantity.

**TREE TANGLEFOOT
(Catapillar Preventive)**

No Caterpillar and Creeping Insect Escapes Its Sticky, Deadly Grip.

The destroying army is coming. Don't wait until you see the vanguard. Band your trees with Tree Tanglefoot two weeks before the Gypsy, Brown-tail and Tussock Moth Caterpillars and Canker Worms, Climbing Cut Worms and Bag Worms begin their ravaging work. Easily and Quickly Applied. 1 lb. 30c.

STICKY TREE CORD

A soft cord about ¾ of an inch in diameter, thoroughly saturated and coated with a black sticky material similar in character to that used on sticky fly paper.

It is supplied in tubes about 2¾ x 6 inches, and the cord is pulled out through a hole in the screw top, which has an attachment for clamping to facilitate cutting off the cord. It is applied to trees by tacking one end to the tree, then passing it around once or twice, tacking about every 18 inches and then cut off.

The cord will not run or drip appreciably and will remain sticky for three or four months according to climatic conditions. It has been endorsed by prominent Park and Cemetery Superintendents, Foresters and Horticulturists generally.

Economy—Each tube contains approximately 30 feet of cord, sufficient to band about 10 trees one foot in diameter once around, or 10 trees six inches in diameter twice around. It is cheaper than fly paper and cheaper than sticky tree material. Price 25c. A small clamp to catch hold of the cord is supplied free. Parcel Post weight 2 pounds.

**LIME SULPHUR SOLUTION**

For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 9 or 10 gals. water, stir thoroughly. May be used as a summer or winter spray, excellent to use as a fungicide. Qt. 35c, gal. \$1.00, 5 gals. \$2.25, 10 gals. \$3.50, 25 gals. \$5.00, 50 gals. \$8.00, bbl \$8.50. Express or freight only. Send for 64-page Booklet, entitled "SPRAYING SIMPLIFIED." It's Free.

"SCALECIDE"—THE TREE SAVER

Spray every bush, shrub, vine and tree in your yard in the spring, before they leaf out, with "SCALECIDE" diluted 1 part to 15 parts of water. It will clean them of scale, eggs and larvae of insects, and the spores of fungi, that you can reach while the trees are dormant, allowing them to leaf out in the Spring freed from all these parasites, and giving them a healthy start.

"SCALECIDE" is not disagreeable to handle; does not corrode or stop up your pumps; does not injure the most delicate skin (it can even be placed in the eyes without the slightest inconvenience or injury), and does not stain woodwork. It is not a Summer spray, but the Winter application has an invigorating effect on plant or tree growth.

One gallon of "SCALECIDE" will spray as many trees as 3½ gallons of Lime-Sulphur Solution.

Dilute for all dormant spray work 1 part to 15 parts of water. 1 qt. 40c, 1 gal. \$1.00, 5 gals. \$3.75, 10 gals. \$6.75, 30 gals. \$16.00, 50 gals. \$25.00.

"SULFOCIDE"

This is a soluble sulphur compound, and when used as a paint will protect young trees from the attacks of rabbits and mice, and also from apple and peach borers. It is the best remedy known that is non-injurious. When dry, it is almost insoluble in hot or cold water. One or two applications last a year. Use 1 part water to 1 part Sulfoicide, or straight.

"SULFOCIDE" as a fungicide is invaluable in the garden for controlling most fungous diseases effecting vegetables, when a poison is not needed. One gallon makes 200 to 300 gallons of spray.

Especially valuable for rust, mildew and red spiders on roses, hollyhocks, etc. 1 pt. 50c, 1 qt. 75c, 1 gal. \$2.00.

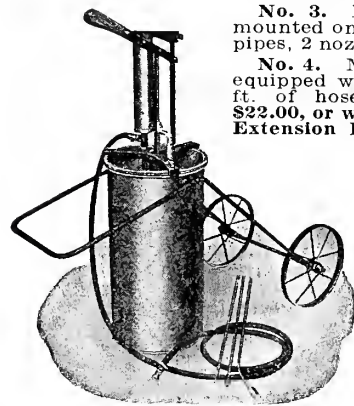


M. & S. RELIABLE SPRAYING APPARATUS

THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or cold water paint.

No. 0. Like No. 3 but no truck. Equipped with a 3-gal. reservoir, 4-ft. of hose, nozzle and extension pipes... **\$7.50.**
No. 1. Like No. 3 but no truck. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes... **\$10.00.**
 See Last Page for Parcel Post Mailing Rates.



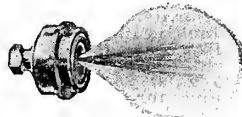
No. 3 Paragon Sprayer

Spray Hose, 1/2-in. best made, all rubber, 12c per foot.

THE NON-CLOG ATOMIC NOZZLE

Is unequalled for perfect and even distribution of spray, fine mist-like effect, adaptability to various conditions, simplicity, accuracy of construction and lightness of weight. The nozzle is made either of cast bronze or aluminum, as required. It has full threads turned on a turret lathe and not stamped from thin metal with spun threads. The nozzle may be adjusted to throw every gradation of spray, from a fine, wide bell shape to practically a solid stream throwing a distance of 20 feet. The adjustment is simply made. 1/4-in. thread. Non-Clog Junior, for small work, 60c; Non-Clog Regular Aluminum, \$1.00; Non-Clog Regular Brass, \$1.25. All above postpaid.

Bordeaux Nozzle—Throws a fan-shape, mist-like spray. Solid Brass, price, 75c, postpaid.



THE AUTO SPRAY

It operates with compressed air; safe and efficient; liquid capacity four gallons; pressure capacity, forty pounds.

The Auto-Spray must please, and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same, and the extra cost over the galvanized will prove a good investment.

No. 1-A Brass—Equipped with hose and regular nozzle. **\$7.25.** Weight on all four styles, 15 lbs.

No. 1-B Brass—Equipped with hose and Auto-Pop Attachment. **\$7.75.**

No. 1-C Galvanized Iron—Equipped with hose and regular nozzle. **\$5.00.**

No. 1-D Galvanized Iron—Equipped with hose and Auto-Pop. **\$5.50.**

Auto-Pop Nozzle Attachment—Controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, **\$1.50 each.**

COPPER STRAINER

For straining white-wash, spraying material, etc., **\$1.00 each.** Parcel Post weight, 1 lb.



Tin Sprayer, No. 4—Heavy material, copper syphon tube, pump cylinder extra large, 2-in. diameter. Price, 40c. Parcel Post weight 3 lbs.

AUTO-SPRAY NO. 5

This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants.



It is made entirely of brass, doing away with all danger of corrosion.

The Auto-Spray No. 5 excels all other pumps in durability and simplicity. Because it is double acting it will do the same spraying that other pumps do, with half the labor. Parcel Post weight, 5 lbs. Price, **\$4.00.**

THE "PERFECTION" SPRAYER



For spraying, disinfecting or whitewashing, on plants, bushes, vines, etc. Made of heavier metal, with fewer parts, stronger in construction, more powerful in action. Pump has bronze ball valve, and is fastened to top of tank with heavy threads. Tank 7 1/2-in. by 20-in., lock seamed with twenty-six rivets. Hose attached with clamps. All furnished with automatic shut-off nozzles which will handle whitewash and thin liquids without change of parts. Made of Galvanized Steel or all Brass. Weight packed, 12 lbs. each.

No. 10G, Galvanized, price, \$5.00.

No. 10B, Brass, price, \$7.50.

P. P. Weight, 15 lbs. on both.

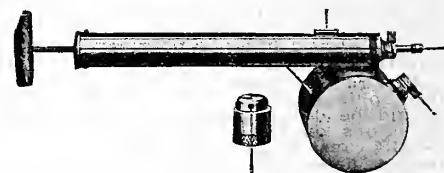
AUTO-SPRAY, No. 37—Continuous Sprayer

Made in two sizes, one quart and one-half gallon capacity. Will handle all solutions, insecticides and disinfectants. May be used for all plant life, in the greenhouse, kitchen garden, for rose bushes and in the poultry house. The one-half gallon size is ideal for the florist or for field work where there is not a great area to cover. Both sizes are identical in construction with the exception only of the size of the reservoir.

Two Spray Caps

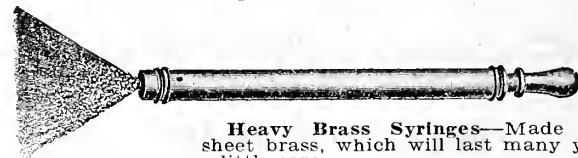
One straight, the other at an angle for reaching under side of leaves. Will operate at any angle and will not tip over when filling.

Screw Caps Reinforced with thumb levers—easy to turn.



Auto-Spray, No. 37B.	One qt., tin pump, galv. tank...	Each \$0.75
Auto-Spray, No. 37C.	One qt., tin pump, brass tank...	1.00
Auto-Spray, No. 37D.	1/2-gallon, tin pump, galv. tank...	1.25
Auto-Spray, No. 37E.	1/2-gallon, tin pump, brass tank...	1.50

(Parcel Post Weight of all Sizes, 3 lbs.)



Heavy Brass Syringes—Made of heavy sheet brass, which will last many years with a little care.

No. 101—Stream and spray rose, 12-in., 1-in. cylinder. **\$1.50.** Parcel Post weight 2 lbs.

No. 102. Stream and spray rose, 16-in., 1-in. cylinder, weight 2 lbs. **\$3.00**

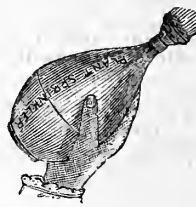
No. 103. Stream and spray rose, 16-in., 1 1/2-in. cylinder weight 3 lbs. **\$4.00**

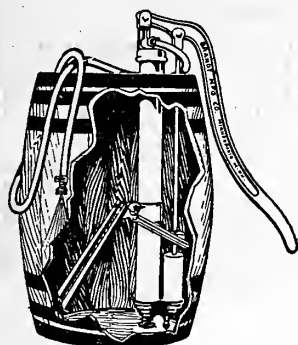
Rubber Plant Sprinklers—They can be used for sprinkling plants, cut flowers, etc., also for damping clothes and carpets and for disinfecting purposes.

No. 1 8-oz. straight neck, **\$1.00**; fig. 2, angle neck, **\$1.00.** Parcel Post weight 1 lb.

No. 2. 4-oz. straight neck, fig. 3, 90c; angle neck, 90c. Parcel Post weight 1 lb.

Insect Powder Bulb—Small size, 10c; large size 25c; these two postpaid.





The "King" Barrel Spray Pump—Fig. 5. This pump has self-oiling plunger and is constructed so that the packing may be tightened without taking the plunger out of the cylinder. No leather or rubbers used in the pumps; the packing is specially prepared and will withstand the action of spraying chemicals longer than any other material and can be placed in a few minutes at a nominal cost. Dimensions, 1 1/4 in. cylinder; 2 in. air chamber and fastens to chime of barrel. Equipped 12 ft. of hose, 8 ft. extension pipe, nozzle agitator, etc. Price, \$11.00.

"Modoc" Bucket Pump—Fig. 1. This pump is all brass except the foot piece and handle. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet 1/2-in. spray hose attached with clamps. Price, \$3.50. Parcel Post weight, 9 lbs.

THE BIDWELL AIR SPRAYER

The heavy steel tank has a capacity of 5 gallons; the pressure capacity is 45 pounds. Unlike most other sprayers which have to be pumped several times to empty their reservoir, this one will empty the contents with one charge; the pump is independent of the tank and every part can be gotten at. Every piece is brass and copper except the tank hose and washers. The liquid is pumped into the reservoir through the same hose which takes in the air; equipped with a practical air pressure gauge. Fitted with a famous Winkle-Mist nozzle. \$10.00.



LAWN SPRINKLERS

Ring Fountain Sprinkler—All brass. Price, 75c. Parcel Post weight 1 lb.

Lawn Shower Sprayer—No. 3. Fig. 6. An even gentle spray is thrown over 25 ft. in diameter at a water pressure of 40 lbs. The nozzle may be connected to hose for washing sidewalks. Used in concrete mixing and general fire protection. It makes an attractive fountain display. Holder and nozzle complete 3/4-in. connection), \$2.00. (Parcel Post weight 4 lbs.)

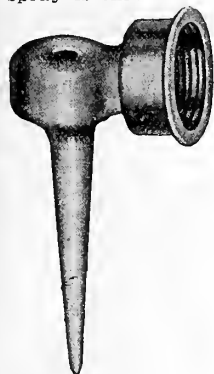


Fig. 6

Three-Arm Sprinkler. \$1.25. Weight 5 lbs.

Four-Arm Sprinkler. \$1.75. Weight 6 lbs.

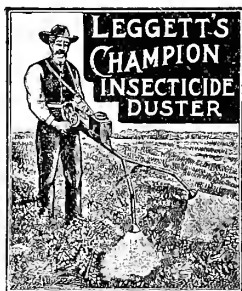
"M. & S." Lawn Shower Sprinkler—Fig. 6. A most complete lawn sprinkler which will throw and even shower spray for a radius of 20 ft. Price, 25c each. Parcel Post weight 2 lbs.

Champion Powder Gun—This machine will distribute dry insecticides, covering one or two rows at one time, will save its price in material used in one season.

This machine keeps the poison at a safe distance from the operator.

Dust potato vines as fast as you walk, two rows at a time. Each machine is furnished with two tubes, five nozzles and strap. Anyone can use it. Weighs, cased for shipping, 17 pounds. Price, \$8.00.

Little Giant Powder Duster—This Duster is somewhat like the Champion Duster, except it is lighter and has a smaller capacity. It is nicely made and very strong. Our special price, \$6.00. Weight 12 lbs.



FLOWER POTS, TUBS, STAKES, ETC.

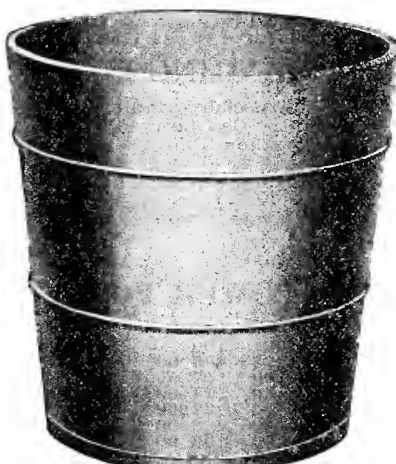
N. Y. STYLE CEDAR TUBS

The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra-heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.



New York Style

Size	Top Diameter Inches	Bottom Diameter Inches	Depth Inches	Price Each	Weight Each Pounds
No. 1	12	9 3/4	10 5-8	\$1.00	9
No. 2	13	10 3/4	12 3/4	1.25	13
No. 3	14 1/2	12 1-16	14 3/4	1.65	15
No. 3 1/2	16 1/2	14 1/2	15 3/4	2.00	18
No. 4	19 7-16	17 1/4	16 5-8	2.65	21
No. 5	22 7-16	20 1/4	18 1/2	3.45	26



The Richmond style tree tubs are made of seasoned, selected Virginia white cedar, are bound with electric-welded wire hoops, galvanized, three hoops to each. The Richmond style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earthen pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish.

Richmond Style

Size	Inside Top Diameter Inches	Inside Bottom Diameter Inches	Inside Depth Inches	Price Each	Weight Each Pounds
No. 5	10	7 1/2	9	\$0.40	3
No. 7	12	9	11	.60	4 1/2
No. 9	14	11	13	.90	7
No. 11	16	12 1/2	15	1.10	9

M. & S. SUCCESS SELF-WATERING WINDOW BOXES

The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect.

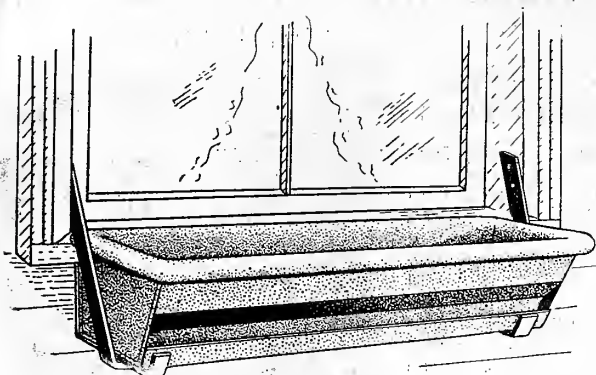
The Success Box is made with a water pocket on one side at the bottom. This pocket runs the full length of the box. Leading from it, into the box itself, are openings to convey the water to the soil. To prevent these openings from clogging up, a roof-shaped piece of metal extends from the pocket openings to the center of the box, at the bottom.

The pocket is simply filled with water and the soil takes it up. Or, water is poured in the usual way on the top of soil and the pocket takes care of the surplus. The water outlet also forms an air inlet, conveying the air to the center of the soil, where it distributes to every part.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered.

(Flower Pots, Etc., continued on next page)

FLOWER POTS, ETC.,—Continued



Equipped with Extension Bracket for Setting on Sill

there is no drip. No staining of paint of disfiguring in any way. The top edges have an attractive rolled finish. They are made in a number of lengths to suit different places and purposes, and may be equipped with brackets for securely fastening them to window sills or hanging below them, also to porch rails.

Length	Width	Depth	Weight	Price Each
24 inches	8½ inches	6¼ inches	6	\$1.00
30 inches	8½ inches	6¼ inches	7	1.25
36 inches	8½ inches	6¼ inches	8	1.50
40 inches	8½ inches	6¼ inches	9	2.00

Price List and Outside Dimensions
Brackets for Window Boxes

No.	Description	Per Pair	Weight Pounds
No. 1	For setting on sill	\$0.40	3
No. 2	For hanging under sill	.50	3
No. 3	For the porch rail	.25	1

M. & S. SUCCESS SELF-WATERING
PLANT TUB OR HANGING POT

This Galvanized Steel Plant Tub is specially adapted for ferns, palms, hydrangea or any large plant. Can be used indoors or outdoors; water can be freely used without danger of damaging floors or woodwork on which box is set. It gives proper drainage and free ventilation at bottom and plants will grow much better than in ordinary pot or tub.

Length, 12 inches; width, 12 inches; depth, 8¼ inches; Price, \$1.50 each. Weight 5 lbs.

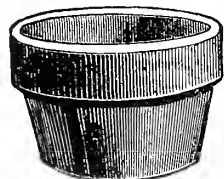
EARTHENWARE FLOWER POTS

	Each	Doz.	Per 100	Per 1000
2 in.	\$0.01	\$0.10	\$0.75	\$5.00
3 in.	.02	.15	1.00	7.50
4 in.	.03	.25	1.50	12.00
5 in.	.04	.40	3.00	22.00
6 in.	.06	.60	4.00	30.00
7 in.	.10	.80	6.00	30.00
8 in.			Each \$0.12	Doz. \$1.25
9 in.			.20	1.75
10 in.			.25	2.25
11 in.			.30	3.00
12 in.			.40	3.50
14 in.			.80	8.00
16 in.			1.50	13.50



Earthen Bulb Pans

	Each	Doz.
5 in.	\$0.07	\$0.50
6 in.	.10	.75
7 in.	.12	1.00
8 in.	.15	1.25
9 in.	.18	1.75
10 in.	.20	2.25



Paper Flower Pots

	Doz.	100	1000
2½ in.	\$0.08	\$0.35	\$3.00
3 in.	.12	.55	4.50
3½ in.	.18	.70	6.00

NEPONSET
WATERPROOF PAPER
FLOWER POTS

Extensively used for starting seeds and seedlings in frames and hot-houses.



Earthenware Saucers

	Each	Doz.		Each	Doz.
4 in.	\$0.02	\$0.20	10 in.	\$0.09	\$0.90
5 in.	.03	.25	11 in.	.11	1.00
6 in.	.04	.35	12 in.	.15	1.25
7 in.	.05	.50	14 in.	.25	2.00
8 in.	.06	.60	16 in.	.40	4.50
9 in.	.08	.75			

Pot Labels

4 in., per 1,000, painted	\$0.85
4½ in., per 1,000, painted	1.00
5 in., per 1,000, painted	1.25
6 in., per 1,000, painted	1.50

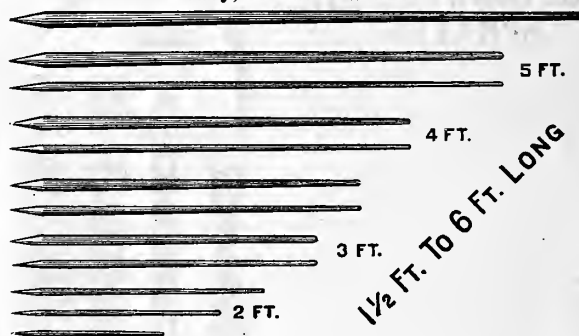
Painted Tree Labels

3½ in., copper wired, per 1,000	\$1.25
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Bamboo Plant Stakes

	Per Doz.	Per 100	Per 1000
2 ft., painted green	\$0.10	\$0.55	\$4.00
3 ft., painted green	.10	.60	5.00
4 ft., painted green	.15	.75	6.00
5 ft., painted green	.20	1.00	7.00
6 ft., not painted	.20	1.00	6.00

Heavy, or Dahlia Stakes



	Each	Per Doz.	Per 100
3 ft.	\$0.07	\$0.75	\$4.85
4 ft.	.10	1.10	6.50
5 ft.	.11	1.25	8.15
6 ft.	.15	1.50	9.75

LIGHT PLANT STAKES.

1½ ft.	Each, \$0.02	Per doz., \$0.20	Per 100, \$1.00
2 ft.	Each, .03	Per doz., .30	Per 100, 1.70
2½ ft.	Each, .05	Per doz., .40	Per 100, 2.40
3 ft.	Each, .05	Per doz., .50	Per 100, 3.20

HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

	P. P. Weight per 100	Doz.	100
12 in.	2 lbs.	\$0.05	\$0.25
18 in.	2 lbs.	.08	.40

Special prices to Florists in 1,000 lots

NO. 8 WIRE, HEAVY.

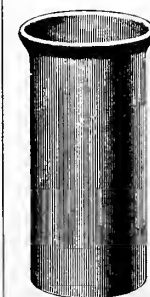
	Parcel Post Weight doz.	Doz.	100	1000
2 feet	2 lbs.	\$0.15	\$0.75	\$6.25
2½ "	2½ lbs.	.18	1.00	7.75
3 "	3 lbs.	.22	1.20	9.50
3½ "	3½ lbs.	.26	1.35	11.25
4 "	4 lbs.	.30	1.70	14.00
4½ "	4½ lbs.	.35	1.85	15.00
5 "	5 lbs.	.40	2.00	16.00
6 "	6 lbs.	.45	2.25	18.00

INDURATED FIBRE WARE

A light, strong material, impervious to moisture, moulded into one piece, seamless and rust-proof. Finished in a rich mahogany color.

FLORISTS' VASES

For displaying cut flowers.



	Depth Inside	Weight	Price Each.
4½ in.	15 in.	2 lbs.	\$0.60
5 in.	18 in.	4 lbs.	.75
8 in.	13 in.	4 lbs.	.75

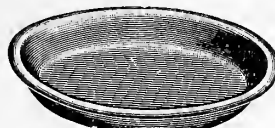
I have bought flower seeds from you which were planted in the grounds of the Aged Women and Aged Men's Home, and they did so well that I have to tell you about it.

Yours truly,

MRS. M. C. BAINBRIDGE,
1320 Bolton St., Baltimore, Md.

FIBRE FLOWER POT SAUCERS

Cleaner and more durable than
Pottery



Diameter	Weight	Each	Doz.
4 in.	1/4 lb.	\$ 0.11	\$1.24
5 in.	1/4 lb.	.13	1.40
6 in.	1/4 lb.	.14	1.45
7 in.	1/4 lb.	.15	1.60
8 in.	1/2 lb.	.16	1.75
9 in.	1/2 lb.	.17	1.95
10 in.	3/4 lb.	.18	2.05
12 in.	1 1/4 lbs.	.20	2.40
14 in.	1 1/2 lbs.	.28	3.15
16 in.	2 lbs.	.50	5.50
18 in.	2 1/2 lbs.	.60	6.50



FIBRE-WARE ROLLING STAND

Fibre-ware rolling stands are mounted upon ball-bearing casters and furnish an easy and ready means of moving heavy plants in permanent or temporary locations. Sold complete with saucers.

Outside Diameter	Will take tub diameter at bottom	P. P. Weight	Price Each
12 inches	10 inches	2 lbs.	\$.60
14 "	12 "	3 lbs.	.75
16 "	13 "	4 lbs.	1.00
18 "	15 "	4 lbs.	1.10
20 "	17 "	8 lbs.	1.25
22 "	20 "	10 lbs.	1.50

GARDEN TOOLS, SHOVELS, RAKES, ETC.

KEEN-KUTTER

Round Point Long Handle Shovels—\$1.10.

Square Point D Handle Shovels—No. 2 \$1.10; larger, No. 4 \$1.20.

Fig. 1. D Handle Spade—\$1.10. Fig. 7. Long Handle Spade—\$1.25.

D. Handle Nursery Spade—Double straps entire length of handle, \$2.00.

Ditching Spade—20 in. blade, D handle, \$1.35.

"KEEN KUTTER" FORKS.

4-tined Hay and Manure—Long handle, 85c. Fig. 2. 3-tined, 6 ft. handle, 75c.

4-tined Manure—D handle, \$1.10; heavy, \$1.50. Fig. 3.

4-tined Spading Fork—D handle, \$1.00.

"KEEN KUTTER" HOES.

"Keen Kutter" Hoes—Fig. 4. Crucible steel, 7 and 8 in., 50c; 1-pronged weeding hoe, 30c; 2-pronged, 35c; 3-pronged, 50c; 5-pronged, 50c.

"Keen Kutter" Cultivator Hoes—Fig. 5. 75c.



Fig. 9.

"Keen Kutter" Pick—Fig. 9. Price 85c, with handle \$1.10.

"Keen Kutter" Mattock—Price \$1.10, with handle \$1.35. From 2 1/2 to 4 in. wide.

Grub Hoe, or Mattock—Price 75c, with handle \$1.00. From 2 1/2 to 4 in. wide.

Mattock and Pick Handles—Price 25c.

English Scuffle Hoe—6 in. 65c, 8 in. 75c. No handle. Handle 10c extra.



Fig. 3.

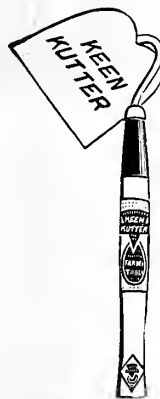
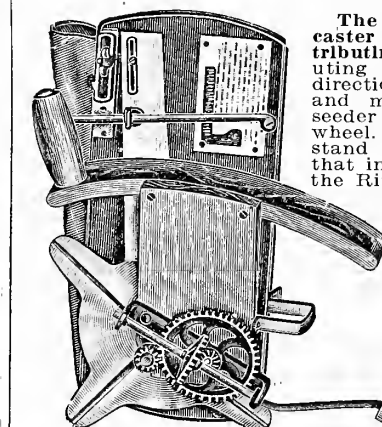


Fig. 4



Fig. 5.



The most efficient hand broadcast-er ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield, that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a life time. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. Price \$1.50. Parcel Post weight 6 lbs.



50c. Parcel Post weight 1 lb.

GRASS AND CLOVER SEED SOWERS

Hand Seed Sower—Valuable for sowing vegetable, flower and lawn seed. Will distribute seed evenly. Adjustable. Price 25c, postpaid.

Cahoon Seeder—For sowing clover, grass and other seeds. Price \$3.00. Parcel Post weight 8 lbs.

Wheelbarrow Seeder—14 ft. \$6.50, 16 ft. \$6.75, double hopper, 14 ft. \$8.50.

"Keen Kutter" Rakes—Bow pattern. Fig. 6. 14-tooth, 85c. Regular 14-tooth, 80c. Malleable Iron—12-tooth, 30c, 14-tooth, 35c. "Queen" Lawn Rake—Fig. 5. 24 teeth 50c. 44 teeth 75c.

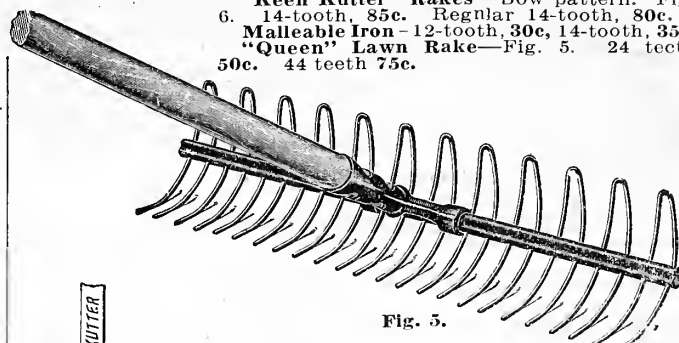


Fig. 5.

Automatic Self Cleaning Wood Rake—70c. "Ole Olsen" Lawn Rake—All wood 50c, 26 teeth, hickory wood.

Split Handle Hay Rake—All wood, 20-tooth rake 35c, 10-tooth 25c.

"Keen Kutter" Ladies' and Children's Garden Tool Set—Fig. 8. Consisting of rake, shovel, hoe and spading fork. Made of first class material. Not toys, but tools that will do and stand the work. Price \$1.75. Single tools 50c. See illustration, page 40.

Potato Hook, or 4-pronged Hoe—Price 60c. "Keen Kutter" Turf, or Lawn Edger—For edging walks. Price 85c.

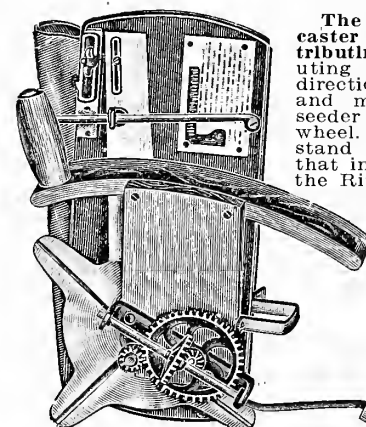
English Turf Edger—Price \$1.25 without handle, handle 10c extra.

English Waldron Scythe—30 in. \$1.20, 36 in. \$1.30, 38 in. \$1.40, 40 in. \$1.50.

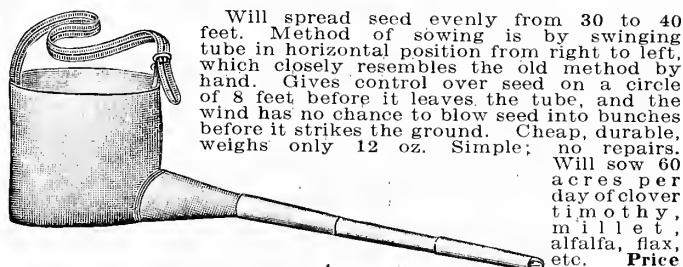
Peace's Riveted Back Scythe—Imported. Very keen cutter. 36 in. \$1.20, 38 in. \$1.30, 40 in. \$1.40. Scythes continued on next page.

Fig. 6
Special Price to Florists and Gardeners.

THE RITTENHOUSE DOUBLE FAN SEEDER



The most efficient hand broadcast-er ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield, that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a life time. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. Price \$1.50. Parcel Post weight 6 lbs.



50c. Parcel Post weight 1 lb.

GRASS AND CLOVER SEED SOWERS

Hand Seed Sower—Valuable for sowing vegetable, flower and lawn seed. Will distribute seed evenly. Adjustable. Price 25c, postpaid.

Cahoon Seeder—For sowing clover, grass and other seeds. Price \$3.00. Parcel Post weight 8 lbs.

Wheelbarrow Seeder—14 ft. \$6.50, 16 ft. \$6.75, double hopper, 14 ft. \$8.50.

German Scythe—Hand tempered. Price \$1.00, snathes for same, \$1.00, extra rings, 15c each.

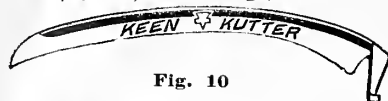


Fig. 10

Improved Grass Scythes. (Scharnesteln)—32 and 34 in. Each \$1.25. Snathes—Light and heavy. Price 75c.



Whetstones—Darby Creek, 10c, English 15c, Carborundum 25c.

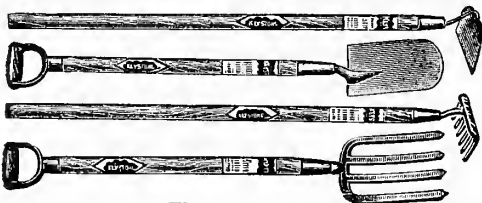


Fig. 8

For description and prices, see page 39.



Fig. 12

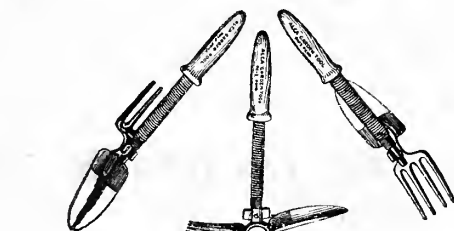


Fig. 11



Fig. 15

Magie "EZ" Weeder—Light in weight, strong in construction; excellent tool; in great favor; best for the price. Three tines. Best quality No. 8½ steel wire. Nicely tinned. Length 9 in.; weight 4½ oz. Black enameled handle. Price 10c, weight 1 lb., large size 25c, weight 2 lbs.

The "Alca" Garden Tool Combination—Can be used as a weeding fork, transplanting trowel, hoe, rake, or dibble. Is very handy around small garden. Price 25c. Weight 3 lbs. Fig. 11.

Unique Garden Tool Set—Consisting of trowel, rake, hoe, edger and sickle, just the thing for ladies and children. Price \$1.00. Parcel Post weight 2 lbs.

"Keen Kutter" Garden Fork—Fig. 12. All steel, 75c, good steel fork 25c. Weight of either 2 lbs.

"Dandelion" Spuds—A practical weeder. Price 25c.

Excelsior Weeder—Five teeth. Fig. 15. Price 10c. Weight 1 lb.

Passtime Weeder—Price 25c. Weight 1 lb.

Dibbles, or Planting Pegs—Bent wood handle. 30c. Weight 1 lb.

WEED KILLER "ERADO" WEED KILLER

"Erado" does away with the old-fashioned, laborious and back-breaking method of digging up dandelions and weeds of all kinds by hand.

It makes obsolete all implements that only pull the tops off of the plants. Before "Erado" was introduced there was no weed-killer that absolutely killed the roots of noxious weeds as well as destroyed the tops. With this handy tool the dandelion or weed is completely killed.

An amount of weed-killing solution is dropped on the root; then by turning the tool the top of the plant is cut off. "Erado" has two knives so placed that the top of a plant is cut off by only one-half turn of the tool.

It is a simple matter to refill "Erado." Remove the handle by a half turn. The solution is then put in the tube and the handle is easily replaced. "Erado" is then ready for work. Push the plunger into the center of the plant. The solution is automatically allowed to run down on to the roots of the plant. Then give "Erado" a quick half turn and the top of the plant is cut off. A weed treated in this manner can never spring up again. The roots as well as the top of the plant are destroyed.

Solution to be Used.

For killing dandelions and most ordinary weeds, gasoline or salt solution can be used to advantage. One pound of salt should be used to one quart of water.

For killing pig-weed, rag-weed and quack-grass, use a solution of iron sulphate.

Try "Erado." It is guaranteed. If it is not entirely satisfactory, you can return this implement for the full purchase price, 60c. Parcel Post weight 2 lbs.



Cleveland Weed Puller—Valuable for extracting weeds from the lawn. A great back saver. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull will dislodge it without disturbing the surrounding sod. Price 60c. Weight 4 lbs.

"Keen Kutter" Trowel—Fig. 14. The best, 75c. Weight 2 lbs.

All-Steel One-piece Trowel—25c and 50c.

Ladles' Trowel—10c.

Weight 1 lb.

Transplanting Trowel—6 in. 15c, 8 in. 20c. Weight of either 2 lbs.

Weight 1 lb.

Weight 1 lb.

Weight 1 lb.

Weight 1 lb.

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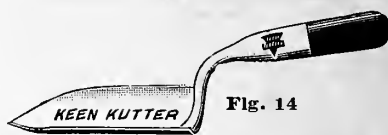


Fig. 14

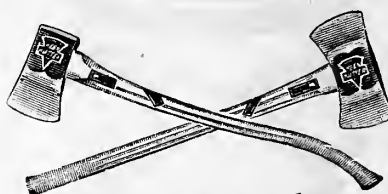
Hoe Trowel—For setting out plants. Price, 40c. Weight 2 lbs.

Watering Cans—Made of heavy galvanized iron, removable rose. 4-qt. 35c, 6-qt. 45c, 8-qt. 55c, 10-qt. One-quart size handy for indoors 20c. 60c, 12-qt. 70c, 16qt. \$1.00. Long Spout Watering Cans made to order.



Keen Kutter Ax—Guaranteed article. \$1.50. Others at \$1.25.

Hatchet—Beatty's Hatchets, Half Pattern and No. 2 Shingling, best quality. Each 60c.



Mehler's Edger—Fig. 19. The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be re-sharpened readily when dull. Price \$1.00 each.

Mehler Gardener—Fig. 17. An entirely distinct tool; avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used; just the thing for working among flower and vegetable plants. Price 75c each.



Fig. 19



Fig. 17

Mehler Hoe—Fig. 18. Combination hoe, cultivator and soil pulverizer combined. Just the thing for celery culture. Price 75c.



Fig. 18

Mr. Harry Busick, of Towson, Md., says: Gentlemen: I planted two bushels of Irish Cobbler Potatoes purchased from your house and am delighted to tell you I harvested 30 bushels of fine large tubers out of the patch.

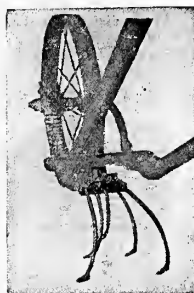
NORCROSS CULTIVATOR-HOES AND WEEDERS

are among the most modern tools for garden and flowers. They are light and strong and cultivate closer to plants without injuring them than any other kind of implement, leaving the soil level, loose and untrampled.

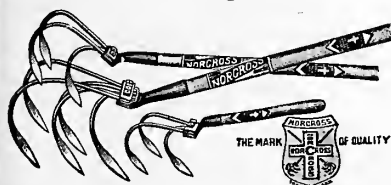
Cost but little more than the common hoe—accomplish much more and better work with less labor. They cultivate the soil.

Use on handle or attach to a Wheel Plow.

The "Norcross" 5-prong is the only Cultivator-hoe with detachable ferrule (pat'd) whereby 4-foot handle will detach and by means of "Norcross" Universal Connection at a cost of



10c extra. Cultivator may be attached to the standard types of Wheel Plows. Above it is shown attached to an Iron Age. This connection also has a rear extension for attaching to Plows of Vertical Leg Construction.



The "Norcross" line is of the highest quality and finish throughout.

Three sizes and prices: 5-pronged, 4 ft. hdl. .75c 3-pronged, 4 ft. hdl. .50c "Midget" 9 in. hdl. .25c

3 lbs., 2 lbs., 12 oz. Detachable Steel Prongs. Malleable Head. Extra High-grade Handles.

PRUNING SHEARS, SAWS, KNIVES, ETC.

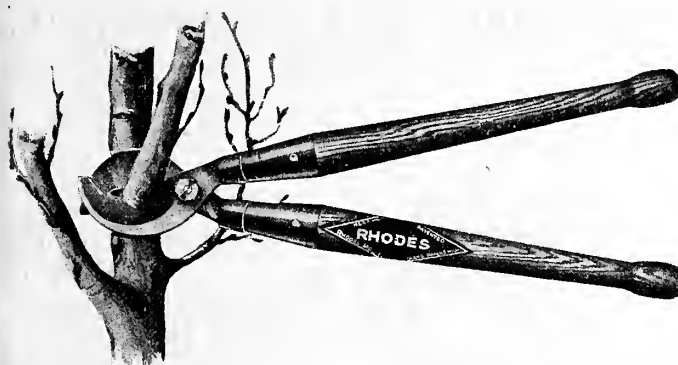


Fig. 1.

Rhodes Double-Cut Lopping Shears—Fig. 1. For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating lopping shears ever made or sold; 24-in. handle. Price \$2.50. Parcel Post weight 5 lbs.

"Keen Kutter" Pruning Shears—Fig. 2. Curved blade and hook. Forged from highest grade crucible steel; polished and tempered; ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; hardwood handles; natural finish 20-inch handled \$1.50, 24-inch handled, \$1.75.

"Keen Kutter" Tree Pruner—Select hardwood pole, natural finish; forged steel hook, painted red, riveted to handle; tempered crucible forged tool steel draw cutting blade 4 1/4 in. long, insuring ample leverage; copper finish steel wire drawing rod; steel lever handle, painted red with hardwood grip; clip that handle works in bolted to pole; length of lever handle 11 in.; 8 ft. 90c, 10 ft. \$1.10, 12 ft. \$1.25.

Telegraph Tree Pruner—Without pole \$1.00, saw attached \$1.50. Parcel Post weight 4 lbs.

Gentlemen: I have purchased my seed from you for the past four seasons and it seems like the results I get from same are better each year. I can truthfully say, that they have given entire satisfaction.

Yours, truly,
J. N. ROBINSON, Still Pond, Md.

Mr. R. J. Williams, Brooklyn, Anne Arundel County, Md., says: Gentlemen: Your I. X. L. Tomato Seed certainly turned out beautiful tomatoes for me, and extremely early.

Gentlemen: Your Little Marvel Peas are simply marvelous. They are the finest peas I ever grew. Yours truly,
H. B. BELL, Ruxton, Md.

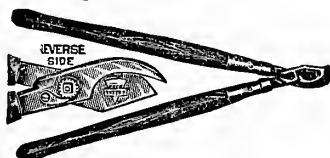


Fig. 22

Unique Hedge Trimmer—Fig. 23. No experience is required to operate the "Unique" Hedge Trimmer. It is so simply constructed, so easily operated and so effective that a novice can do the work better and more easily with our trimmer than a professional with the old method of trimming with the hedge shears. Price \$5.00 a pair.



Fig. 23

Lawn Shears Two wheels, 8-in. blade, for cutting on narrow borders, under fences and shrubs. Price \$2.75.

Border Shears—10 in. \$2.50, without wheel \$2.25.

Snips—For cutting flowers, small twigs and wire. Fig. 4. 75c each. Weight 1 lb.

Hand Pruning Shears—Fig. 2. 9 1/2 in. full polished German pruner \$1.50, 8 1/2 in. \$1.00, 7 1/2 in. 85c. Fig. 3. 8 1/2 in. French pruner, very good, \$1.25. 8 1/2 in. No. 1537, a good pruner, 50c, 6 in. Ladies' pruner, full polished, 85c. Fig. 6. Parcel Post weight on all hand pruners 2 lbs.

Solid Steel Imported Hedge Shears—Fig. 1. The celebrated English shears. 12 in. \$2.25, 10 in. \$2.00, 9 in. \$1.75, 8 in. \$1.50. All equipped with notch; the notch is very useful in heavy trimming or lopping. Parcel Post weight on all hedge shears 3 lbs.

Ladies' Hedge Shears—5 1/2 in. cut. Price \$1.25. Parcel Post weight 2 lbs.

Flower Gathering Scissors—Large and perfect. Do not tire the hands. Price \$1.00. Fig. 5. Weight 1 lb.

Grass and Sheep Shears—Full polish, imported shears, \$1.00; half-polished, excellent quality, 75c and 50c; fine for trimming grass; cheaper grade 25c. Weight on all 1 lb.

Mule Shears—For trimming fetlocks. Price 50c. Weight 1 lb.

Pruning Knives—Horn handle 75c, wood handle 65c, postpaid.

Budding Knives—Ivory handle \$1.25, bone handle \$1.00, postpaid.

Pocket Knife—Combined pruning and budding, \$1.00, postpaid.

Pruning Saws—Made of the very best material. 75c, somewhat larger, stronger and coarser teeth \$1.00. Weight 2 lbs.

Grafting Wax—1/4 lb. 10c, 1/2 lb. 20c, 1 lb. 35c.

Townsend Grass and Weed Sickle—Fig. 20. Light, strong, durable. The blade 13 in. long, 2 1/4 in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. The shank, made in two parts, of pressed steel, forms the socket for handle, and the blade is riveted between these two parts, making a solid coupling which will not break or become loose. The handle is selected ash. A slight bend in the shank throws the handle, which is 3 ft. 8 in. long, up at an angle which enables the user to stand almost erect when at work. Price 75c. Weight 2 lbs.

PARCEL POST SHIPMENTS

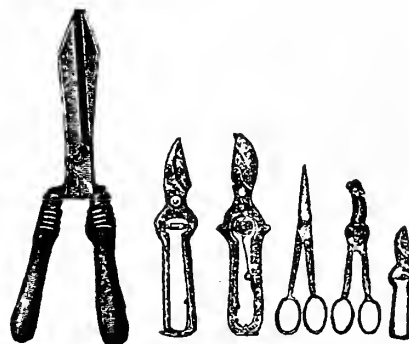
Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

Mr. Frank Kaiss, Lansdowne, Md., writes under date of October 4, 1913: "Your I. X. L. Tomato Seed produced the finest early Tomatoes I ever raised. They stayed large from the time we commenced to pick until the last."



Fig. 24

Jointed Pole Tree Trimmer—Fig. 24. 12 feet long can readily be transformed to 8 foot trimmer; made of the best material, very strong. Price \$2.75. Parcel Post weight 8 lbs.



Figs. 1 2 3 4 5 6

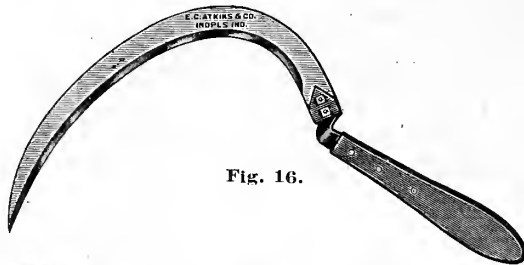


Fig. 16.

Perfection Grass Hook—Made of highly tempered steel, conveniently bolted to the handle, so it can be detached and made into a small package for taking to graveyards or other purposes. Fig. 16. Price 50c. Weight 2 lbs.

M. & S. Sickle—Similar to the above, of equally as good material, but short handle. Price 40c. Weight 2 lbs.

English Grass Hooks, or Sickles—Riveted back. Price 40c and 45c. Solid blade 30c. Weight 2 lbs.

German Grass Hooks or Sickles—Price 25c. Weight 2 lbs.

Asparagus Buncher—The latest improved. Price \$1.75. Weight 4 lbs.

Asparagus Knife—Which makes a fine weeder as well. Price 30c. Weight 1 lb.

Wire Fruit Pickers—To be adjusted to long pole. Price 25c each. Weight 2 lbs.

THE RITTENHOUSE MOLE TRAP

The simplest, safest and surest mole trap ever invented. Self-setting. No danger of its going off unless the trigger is touched. Made of all steel and tinned. The spears are spring steel, therefore do not have to be as long as soft steel. Price 75c. Parcel Post weight 3 lbs.

THE "UNION" BOOT PROTECTOR

Used in Excavating, trench and railroad work. Adds life to the Boot or shoe. Used by shovelmen, prospectors, farmers, gardeners, etc. Excellent for painters in standing on ladders. Big relief to the instep. Made of sherardized steel (rust-proof.) Fitted with webbing strap.

Lightens the work and prevents sore feet. Price 50c pair. Parcel Post weight 1 lb.



BASKETS, BAGS, ETC.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. Price 15c, for quantities write for price.

Picking Baskets— $\frac{1}{2}$ -bu. size 15c each. Per dozen, without handles \$1.50, with bow handles \$1.75.

White Oak Baskets—Side handled, 1 bu. 60c.

Splint or Chip Baskets—With handle. $\frac{1}{4}$ -bu. size, 5c, $\frac{1}{2}$ -bu. size 10c.

Strawberry Boxes—1-qt. size 10c doz., per 100 60c, per 1000 prices furnished on application.

TWINES, GARDEN REELS, ETC.

Jute Twine—3 ply 10c ball, 20c lb.

Cotton Twine—3 ply, for tying vegetables, 5c ball, 20c lb.

Cotton Twine—4 ply, special thin 8c ball, 30c lb.

Binder Twine—Standard; ball 70c. 5 lb. quantity price furnished on application.

Fodder Twine, or Tared Sisal—Lb. 10c. Quantity prices furnished on application.

Martin—For mat making, 20c lb.

Plow Lines—Cotton, per pair 45c, Sisal 25c. Weight 2 lbs.

Garden Line—150 feet of good cotton line 25c.

Garden Reels—Medium 75c, large \$1.00, large, double reel \$2.00.

Raffia—Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price 20c lb. Special price on quantity.

Asparagus Tape—In fast colors green and red, glazed finish, 1,000 yard spool. \$2.25.

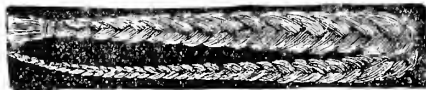


Fig. 21

Trace Chains—7 ft., straight link, hook or ring. Price 65c per pair.

Cow Chains—20 feet. Tying out, 75c and \$1.00; stable ties 25c.

Breast Chains—Double 45c pair, single 35c pair.

Iron Bound Hames—Price 75c per pair.

Hames Straps—Price 20c each.

Back Bands—Leather loop 75c, patent 50c.

Hot Bed Sash—Made to hold either 24 or 28 8x10 panes. These sash are grooved so that the panes slide in and butt one against the other. Price of either size 90c each.

Hotbed Glass—Box of 90 panes, 8x10, \$2.25.

Hotbed Mats—Interlined with wool. 40x76 size, covers one sash, \$1.00; 76x76, covers two, \$1.50. Special prices by dozen.

Putty Bulbs—For applying liquid putty. Fig. 22. Price \$1.00. Parcel Post wt. 1 lb.

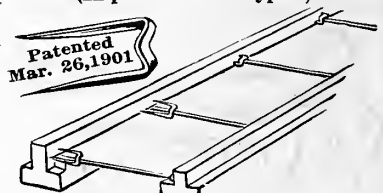


Fig. 22

Twemlow's Old English Glazing—For bedding glass in sash and filling cracks or seams in roof joints or frames of hotbeds or greenhouses. Gal. \$1.40.

Peerless Glazing Points—The finest glazing points on the market. Per box of 1000 60c, pincers, pair 50c. Parcel Post weight 1 lb. on both.

"PEERLESS" GLAZING POINT. (Improved Van Reyper.)



A Few of Its Good Points—No raising up when driven. No rights. No lefts. No sliding. No trouble to apply. Cheap. Indestructible. Once used, always used. Try them once.

Plant Bed Cloth—A cheap substitute for glass, and will keep out many degrees of frost; for poultry houses. Also useful for shading material. Samples mailed on application. Heavy grade, yard 12c.

RUBBER HOSE, REELS, MENDERS, ETC.

The hose we offer is the best. It is guaranteed not to break.

$\frac{3}{4}$ in. Motor—5 ply, 25 ft. \$2.50, 50 ft. \$4.50, black hose.
 $\frac{3}{4}$ in. Royal—5 ply, red hose, 25 ft. \$3.00, 50 ft. \$5.50.
 $\frac{3}{4}$ in. Reno—4 ply, black hose; a piece of hose which will last several seasons. 25 ft., \$3.50, 50 ft. \$6.50.

Norwood—Continuous hose. We can furnish any length of this hose desired up to 500 ft. lengths; as good as any hose at 15c per ft., including couplings, in 25 ft. lengths or over.

Hose Couplings—Brass, regular size 15c per pair.

Hose Washers—Rubber, regular size 10c per doz.

Hose Bands—For $\frac{3}{4}$ and $\frac{1}{2}$ in. hose, 2 for 5c, 25c doz.

Hose Nozzles—Combined solid stream and spray, 40 each.

Hose Reels—Wood \$1.00, steel \$2.00. Fig. 5.

"Hudson" Garden-Hose Mender—For $\frac{3}{4}$ in. hose. Specially adapted for family use. Hose can be mended or coupled securely and quickly. So simple that a child can use it. Price, complete with pliers, including six menders, 60c. Single menders, 10c, 3 for 25c. Pliers 25c, postpaid.

The Sure-Shut Hose Mender—Fig. 7. The simplest, strongest and best device on the market for repairing leaky hose. No tools whatever are necessary to attach it. Can be put on with the hands alone in less than a minute. Makes an absolutely water-tight connection. Is made entirely of brass, will not rust. Will fit any make of hose. Can be detached and used over and over again. Each 15c, per doz. \$1.50, postpaid.



Fig. 7

GRAPE PROTECTING BAGS—If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.



Bag all grapes to keep them from insect stings.

	100	1000
2 lb. size.....	\$0.30	\$2.75
3 lb. size.....	.35	3.25
4 lb. size.....	.40	3.75

Parcel Post weight on all three 2 lbs per 100, 15 lbs. per 1000.

THERMOMETERS

Reguar Thermometer—Nicely finished. Price 25c.
Self Regulating Hothouse Thermometer—Best grade \$3.25, second grade \$2.25.

Hotbed Thermometer—Brass point. Price \$1.25.

WIRE HANGING BASKETS AND WINDOW SHELVES

Help make the city beautiful by installing wire hanging baskets and window shelves filled with beautiful flowers. Made of good heavy wire painted green and decorated in gold bronze. See illustration.

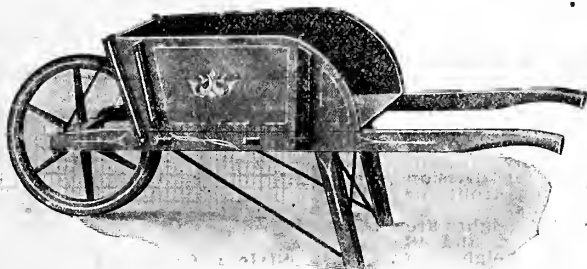
Baskets 8 in. 25c, 10 in. 35c 12 in. 50c.
P. P. Weight 2 lbs. each.

WHEELBARROWS, CARTS, WATER TRUCKS, ETC.

No. 4 Wheelbarrow—Boy size. Identical with No. 3, only much smaller; handy for small place. Price \$2.75.

No. 3 Wheelbarrows, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 4 ft. 9 in. long; 2x1½ in. wheel; 20 in. diameter; 6 spokes. \$3.50.

No. 2 Garden and Farm Barrow—Little larger than No. 3. Price \$3.75.



No. 3 Garden Wheelbarrow

No. 1 Farm Barrow—Still larger than No. 2. Price \$4.50.

Baltimore Push Cart—For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. Price, \$7.75.

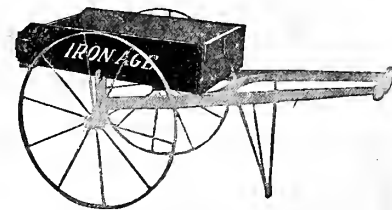


Fig. 3

Dimensions

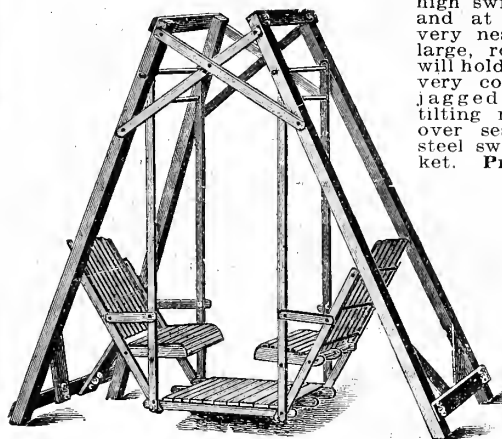
Width of Tire..... 1½ inches
Height of Wheel... 36 inches
Axle..... 1¼ inches
Hub..... 6 inches

Box—Inside Measure

Length..... 40 inches
Width..... 22 inches
Depth..... 10 inches

"Eagle Lawn Swing"

—This is an all-steel high swing, very strong and at the same time very neat. It has two large, roomy seats and will hold four passengers very comfortably. No jagged corners, no tilting motion; awning over seats. The best steel swing on the market. Price, \$12.50.



"Rock - A - Bye" Lawn Swing. Made for durability and wear. A far superior article to the ones bought in department stores. Price of two passenger swing, \$5.00; four passenger \$6.50.

WATER TRUCKS AND COMBINATIONS WITH STEEL WHEELS

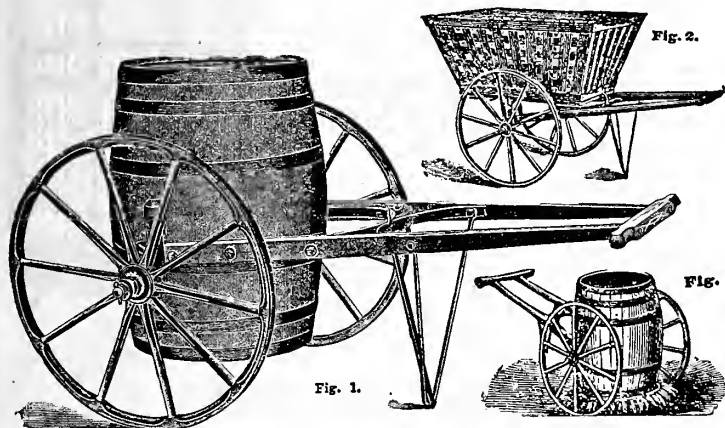


Fig. 1.

Fig. 2.

Fig. 3.

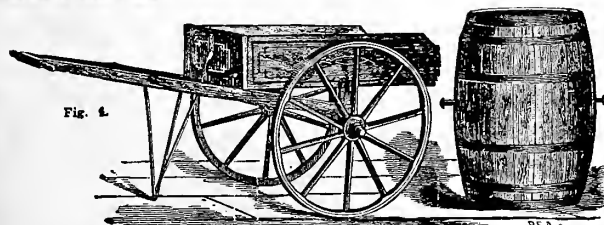


Fig. 4.

Fig. 1 represents our Barrel Cart, to which can be attached any of our Barrel Spray Pumps. This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.

Fig. 2 shows Truck with Leaf Rack Attachment.

Fig. 3 shows Truck and Barrel with Sprinkler Attachment.

Fig. 4 shows Truck and Box, with Barrel Detached.

Dimensions: Height of Wheels, 2 ft. 9 in.; Distance between Trunnions, 2 ft. 2½ in.; Width Tire, Steel, 1½ in., 2½ in., 3½ in.; Wood, 1½ in., 2½ in., 4 inches.

Box Inside Measure Width, 22½ in.; Length, 24 in.; Height, 8½ in. Box has tail door.

Price

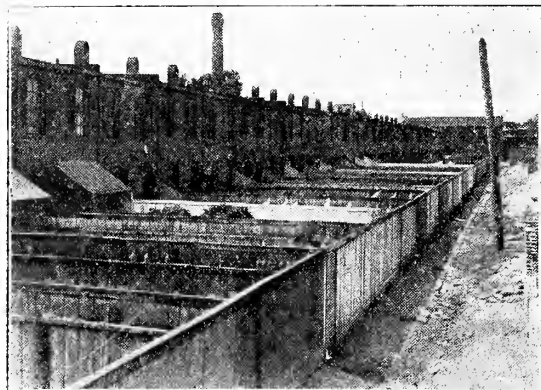
Water Truck, with Regular 1½ in. Tire Steel Wheels.	\$6.50
Water Truck and Barrel.	9.50
Water Truck and Box.	9.50
Water Truck, Barrel and Box.	12.50
Sprinkling Attachment.	3.00
Leaf Rack.	5.50
Barrel.	3.00
Box.	3.00
Trunnions, per pair.	.50

Prices on tires over 1½ inches furnished on application.

On December 6th, 1913, Mr. J. W. Zimmerman, of Montebello Park quotes as follows: "I planted your Rolland Park Lawn Grass Seed to make a new lawn on September 15th. It has been cut three times, and could be cut again if the season was not so far advanced."

Waukegan-Cyclone Sanitary Wire Fencing

PRICES SUBJECT TO CHANGE AFTER JUNE 1, 1916



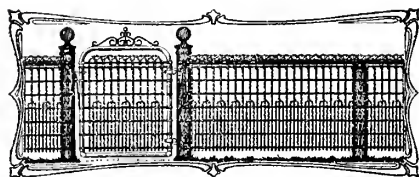
Before

Note the remarkable change shown in these two pictures. These pictures show back-yards in Baltimore that come back to the same alley. On the left is the unsightly, unsanitary tight board fence, that hides dirt, disease germs, rubbish and filth. On the right WAUKEGAN - CYCLONE Sanitary Fencing has replaced the old board fences and opened up the yards to fresh air and sunlight.

WAUKEGAN-CYCLONE Sanitary Fence actually cost less money than tight board fence. Dark unsanitary back-yards are changed into blocks of flower-beds, gardens and lawns and happy children's playgrounds. Danger from fire is lessened. The health of the family is preserved and the property is doubled in value.



After



Style F Cyclone Fence

Price per lineal foot, Style "F," 36 in., 10c; 42 in., 11c; 48 in., 12c; three foot walk gate to match, \$2.50.

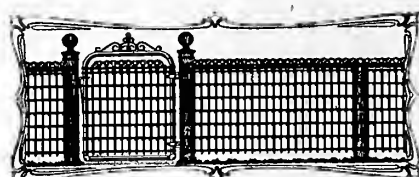
Style "F" is our most popular sanitary wire fence. Pickets are all No. 9 heavily galvanized wire spaced 1 3/8 in. apart at bottom, 2 7/8 in. at top, making fence absolutely chicken tight.

Regular heights are 36 in., 42 in., and 48 in. Other heights up to 84 in. furnished.

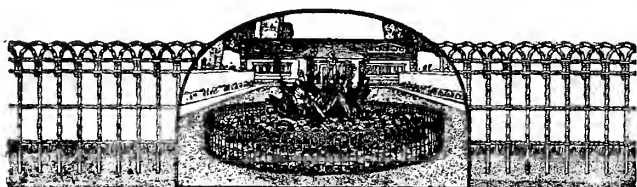
Style "L-Extra" is exactly like Style "F" only the lower picket is not used. For this reason it is slightly cheaper in price and is specially recommended for division fences for front or back yards.

Regular heights are 36 in., 42 in., and 48 in. Other heights up to 84 in. furnished.

Price per lineal foot, Style "L-Extra," 36 in., 8c; 42 in., 9c; 48 in., 10c. Three foot walk gate to match, \$2.50.

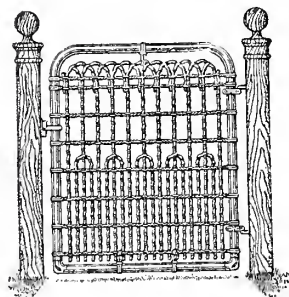


Style L Cyclone Fence



PERFECTION FLOWER-BED BORDER

Fits any shape or size of flower-bed, no posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in two heights. Price, per lineal foot, 16 in., 5c; 22 in., 6c.



UNIVERSAL WALK GATE

Made of heavy high-carbon steel tubing, non-breakable frame with Style "F," chicken-tight fabric; hinges and latch to hang to wood posts.

Heights, 36 in., 42 in., and 48 in.

Price for 3 foot opening, \$2.00.

Any size.

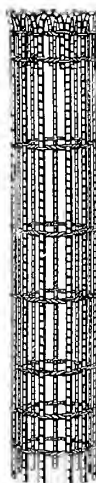


Fig. 2

WIRE TRELLIS

Just the thing for climbing plants and flowers. Cut to any length, fits any porch. The most inexpensive practical trellis made. Furnished in two widths.

Price per lineal foot 18 in., 5c; 24 in., 6c.

RUBBISH CONSUMERS

Fig. 1

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

Made of large heavily galvanized wire with re-inforced bottoms and sides, and inside iron rings.

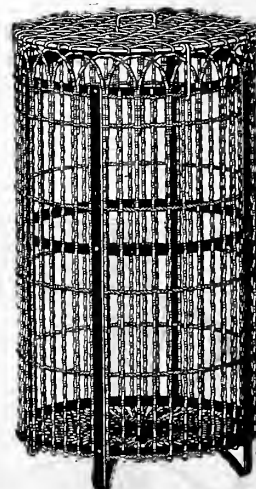


Fig. 1

Made in two sizes:

Height, 36 in.; diameter, 18 in. Price, \$2.25.

Height, 28 in.; diameter, 28 in. Price, \$1.85.

Fig. 2

Wire Tree Guard—Carefully galvanized, thoroughly made 8 inches diameter, \$1.25 each; per doz., \$13.50.

Mrs. George R. Willis, of Bengies, Md., writes us: Gentlemen: I want to say to you that I have had better success with your Sweet Pea Mixture than any I have ever bought.

Reisterstown, Feb. 11th, 1913. Gentlemen: I am more than pleased with the results that I got from the 100-egg Mandy Lee Incubator. Out of 95 eggs, it hatched 85 strong, sturdy, bright-eyed chicks.

Yours truly,
MAX BOETTICHER.

Gentlemen: About the middle of April I purchased from you some of your "Shady Nook" Lawn Grass Seed. About a week or so ago I sowed same in the ground, mixing with it at the same time some of the Diamond Brand Compost as a Fertilizer, and am more than pleased with the results as the Grass is not only thick, but is about one inch high.

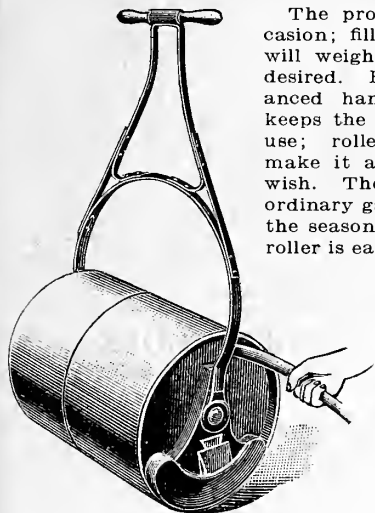
Yours very respectfully,

JULIUS WEGNER,

May 7th, 1915.

4755 Park Heights Ave.

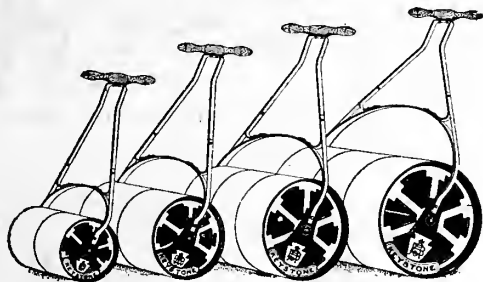
M. & S. WATER BALLAST LAWN AND TENNIS COURT ROLLERS



The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired. Equipped with counter-balanced handle weights, which always keeps the handle in position ready for use; roller axle bearings. You can make it as heavy or as light as you wish. The drum can be filled with an ordinary garden hose, when through for the season pour the water out and the roller is easy to put away.

For an even green Velvety Lawn, always sow M. & S. Roland Park Lawn Grass Seed and M. & S. Shady Nook Mixture. For particulars, price, etc., see page 16.

No.	Diam. In.	Lgth. In.	Weight			Price
			Empty	Filled With Water	Filled With Sand	
602 B	18	24	155	410	555	\$10.00
603 B	24	24	180	525	710	13.00
604 B	24	32	200	665	935	16.00



Keystone Roller Bearing Lawn Rollers—To raise a velvety, thick lawn and keep it so the lawn roller is a great aid. In the Spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding from the grass roots. If allowed to settle of its own accord the lawn is left rough and the grass liable to die off in high spots. If pressed back firmly and evenly with a lawn roller the chances for a new, velvety lawn are more favorable.

No. 501, diam. 15 in., 2 sec., weight 150 lbs., length 15 in., \$ 9.50
No. 504, diam. 20 in., 2 sec., weight 250 lbs., length 20 in., 12.50
No. 507, diam. 20 in., 2 sec., weight 300 lbs., length 24 in., 14.50
No. 509, diam. 24 in., 2 sec., weight 400 lbs., length 20 in., 19.50

Lawn Padders—Very useful in padding down seed, where a roller cannot be used. Two strong boards, 9½ in. by 20 in., arranged each with a rope attached to the feet. Price, complete, \$1.00 per pair. Parcel Post weight, 8 lbs.

Horse Lawn and Field Rollers and Other Size Hand Rollers—Prices furnished upon application.

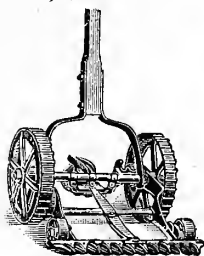
Lawn Mowers

Coldwell Trimmer Mower—This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 in. wide, and cuts within ¼ in. of side obstruction, it has only one drive wheel. Price, \$5.00.

Pensylvania High Wheel Mower—This high-grade mower is constructed for cutting ordinary grass, as well as grass from 6 in. to 10 in. high. Wheel, 10½ in.; cylinder, 6½ in. Four crucible steel knives. Price, 15-in., \$12.50; 17-in., \$14.00; 19-in., \$15.50; 21-in., \$17.00.

The "Clipper" Mower—There are three things that tend to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out. No. 1, 12-in. cut, \$6.75; No. 2, 15-in. cut, \$7.50; No. 3, 18-in. cut, \$8.50; No. 4, 24-in. cut, \$9.50.

Pony Mower—24-cut, \$20.00.



MOTOR AND HORSE LAWN MOWERS

This well-known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement. This same lever serves the purpose of raising the knives from the ground when driving over the gravel walks or roads. Price, 30-in. cut (complete), with seat and shaft, \$60.00.

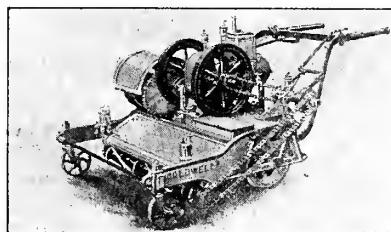
25 in. cut Pony Machine, less shafts and seat, \$35.00.

Coldwell Demountable Cutter Unit Horse Lawn Mower—Like the above, but has two revolving cutters, which can be replaced very quickly. 30-in. machine, \$100.00.

Horse Lawn Boots. Price, per set of four, \$9.00; No. 2, 5½ in. inside; No. 4, 6½ in. inside; No. 6, 7 in. inside.

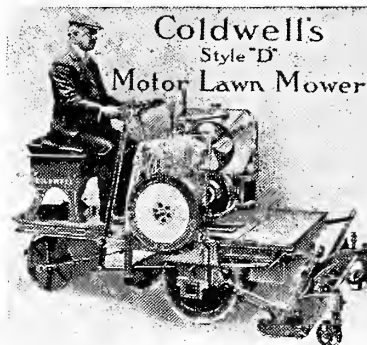
Coldwell's Combination Roller and Motor Lawn Mowers, Style F and H, Walk Type—Are designed for use on small estates, tennis grounds, etc., not sufficiently large to warrant the purchase or use of one of the larger and heavier machines.

Coldwell's "Improved" Horse Lawn Mower



Send for illustrated and descriptive circular. Model "F", weight 1,000 lbs., 40-in. cut. Price, \$475.00, complete sweeping attachment \$100.00 extra. Model "G", wgt., 650 lbs., 35-in. cut \$325.00. Model "H", 500 lbs., 30-in. cut, \$250.00, all f. o. b. Newburgh, N. Y.

Style "D" and "E."—These mowers are highly recommended and are used by leading country and golf clubs and in the city parks and cemeteries. Catalogues will be furnished on application. Model "D", weight 2,000 lbs., 40-in. cut, price, \$1,500.00. Model "E", weight 1,100 lbs., 40-in. cut, price, \$1,300.00, both f. o. b. Newburgh, N. Y. Coldwell's "Demountable Cutter Unit." Putting green Mower. In this mower every requirement pertaining to the cutting of putting and bowling greens has been considered and provided for. Each machine is provided with two complete cutting parts, one to be in use while the other is being sharpened. Removed or attached in a moment. Price, 18-in. cut, \$30.00.



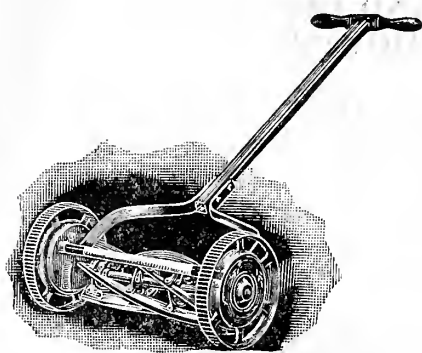
Coldwell's Style "D" Motor Lawn Mower

M. & S. HAND LAWN MOWER



M. & S. "Regal" Ball Bearing Lawn Mower—This machine has been thoroughly tried out by us the past three years. We are glad to say that it has made good in every way. Hundreds of our customers have assured us of the superiority of this machine. Prices: 14-in. cut, \$9.00; 16-in. cut, \$10.00; 18-in. cut, \$11.00; 20-in. cut, \$12.00.

LAWN MOWER SHARPENING—This work is done for us by a competent mechanic, and we can insure entire satisfaction.



M. & S. Interstate

M. & S. "Interstate" Ball Bearing Lawn Mower. First-class, high wheel, ball bearing lawn mower at a popular price. The four revolving knives give a continuous cut. Made of best materials, easy running, and fully warranted.

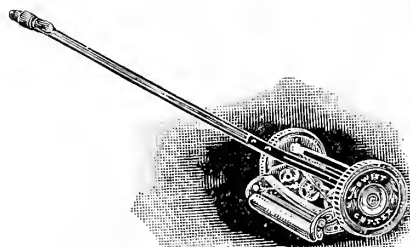
PRICES:
14-in. cut, \$6.00;
16-in. cut, \$7.00; 18-in. cut, \$7.50; 20-in. cut, \$8.00.

Send your Lawn Mowers in to be sharpened. We do this thoroughly and reasonable.

M. & S. "Colonial" Ball Bearing Lawn Mower. A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

PRICES:
12-in. cut, \$4.25;
14-in. cut, \$4.75; 16-in. cut, \$5.00.

The "Baby-Grand" Mower. A perfect little lawn mower of fine quality; excellent for cutting borders and handy for children and ladies. Price, 6-in. cut, \$4.00.

The "Colonial"
Lawn Mower
Ball Bearing

M. & S. Swift Cutter.

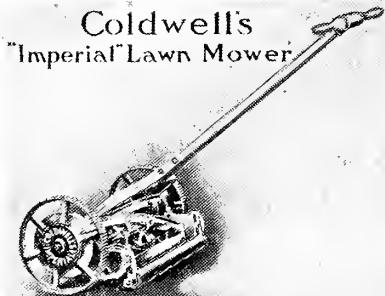
M. & S. "Swift Cutter" Lawn Mower. For the benefit of those who want a low-priced mower, and for those who have but little grass to cut, we offer the best cheap mower made. While the prices are as low as a "department store" prices, this mower will be found much better in quality of knives and quality of work performed.

Prices: 10-in. cut, \$2.00; 12-in. cut, \$2.25; 14-in. cut, \$2.75; 16-in. cut, \$3.25.

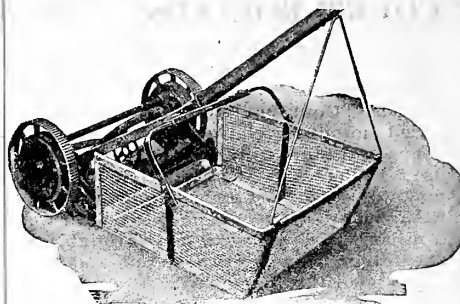
Oil Cans—Filled with oil. 15c and 25c each.

Coldwell "Imperial" High Wheel Mower. For durability and for hard, rough work this is the mower to buy. Thousands are in use in city parks and cemeteries throughout the country. The best non-ball-bearing mower ever made.

PRICES:
14-in. cut, \$8.00;
16-in. cut, \$9.00; 18-in. cut, \$10.00; 20-in. cut, \$11.00.

Coldwell's
"Imperial" Lawn Mower

THE M. & S. WIRE GRASS CATCHER



There always have been makes of mowerson the market that could not be properly fitted with a grass catcher. The M. & S. designed to fit any size or style of mower and can be attached or detached in a moment. Made of galvanized iron. Hardware cloth. Fits any mower. Price, \$1.25.

Canvas Grass Catcher, No. 1, 85c; for 12-in. to 16-in.

mowers: No. 2, \$1.00, for 16-in. to 20-in. mowers.

PLANET JR. GARDEN TOOLS

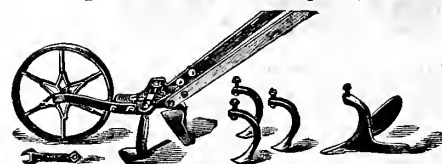
No. 33 Planet Jr. Wheel Hoe which suits every pocket book. The large garden plow is constantly useful from spring to fall. After the ground is prepared, run out furrows for fertilizers, manure and large seeds such as peas, beans, and potatoes, and then cover them with it. As the crops grow throw light furrows away from the row and then back again a few days later.

Use the cultivator steel to open narrow furrows; also useful for setting out plants. Use the five-tooth prong hoe for both deep and shallow work.



No. 33 Planet Jr. Wheel Hoe

The sweeps, of two widths, come into use during the whole season. The whole combination will delight the suburbanite or equally the growing boy who knows that a certain amount of garden work is to be part of his service. Women, younger or older, will find in this tool a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables. Price complete, \$3.00.



No. 17 Single Wheel Hoe

No. 17. "Planet Jr." As illustrated, with one pair 6-inch hoes, three cultivator teeth, one large garden plow. Price, \$5.00.

No. 16. "Planet Jr." Same as No. 17, but has also one five-tooth rake, one three-

tooth and a leaf guard. Price, \$5.85.

No. 17½. "Planet Jr."—Same as No. 17, but has no plow, but in addition has a leaf lifter. Price, \$4.50.

No. 18. "Planet Jr."—Only equipped with one pair 6-inch hoes. Price, \$3.50.

No. 12 "Planet Jr." Double Wheel Hoe. As illustrated, with one pair 6-inch hoes, four cultivator teeth, two plows, two leaf lifters.

Price, \$7.00.

No. 11. "Planet Jr."—As the above but in addition has one pair 4½-inch hoes, two tooth rakes, two 5-tooth rakes. Price, \$9.00.

No. 13. "Planet Jr."—Only equipped with one pair 6-inch hoes. Price, \$4.75. The No. 12 is the most popular tool.



No. 12 Planet Jr. Double Wheel Hoe

Planet Jr. Garden Tools continued on next page

Gentlemen: I bought my Sugar Corn Seed from you this season and furnished the Buena Vista Hotel with the Green Corn, and they claim that it was the finest that they ever had. G. D. BUDDEKE.

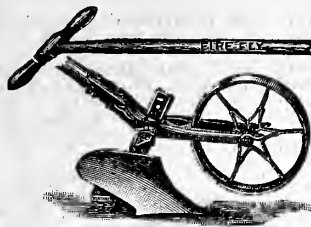
Gentlemen: I want to inform you that when all other Lettuce had gone to seed and was burnt up this past summer, I was still hauling fine heads of Lettuce produced from your M. & S. Belvedere Lettuce Seed. Yours truly, JOHN COMES, Fullerton, Md.

Blue Ridge Summit, Pa.
Mr. C. J. Morris, of 1433 N. Broadway, Baltimore, Md., says, "I purchased some of your Early Flowering Chrysanthemum Plants and must say that I have never ? ? ? ? ?"

Gentlemen: It affords me great pleasure to let you know that I got a fine lawn from your Roland Park Lawn Grass seed in six weeks' time. Yours truly,

L. W. LEACH, Landscape Gardener,
207 N. Gilmore St., City.

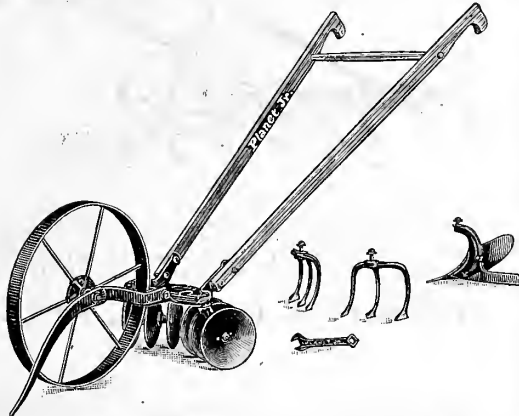
PLANET JR. TOOLS—Continued



Firefly Plow.

No. 38.
"Planet Jr." A complete little Wheel Disc Hoe. Fine for peat lands, and Pulverizing. Complete as per illustration, \$8.00.

No. 39.
"Planet Jr." Single Wheel Hoe, Cultivator and Plow like No. 38, but has no disc hoes, but is equipped with a pair of 6-inch peat land hoes. Price, \$5.75.



No. 38 Planet Jr. Single Wheel Disc

"Planet Jr." Spot and Drill Marker—This new marker is a great labor-saver for market gardeners, experimental stations and seed farms. As a spot marker, it is particularly adapted for onion sets, beets, leeks and celery, cabbage, strawberries and lettuce plants and flowers, etc.

The construction is substantial in every detail. Steel wheels are 13 inches in diameter, with 2-inch face, and have 16 steel-pointed plugs 1 3-8 inches long bolted to the rims. These plugs are readily changed to mark 3, 6, 12, 15, 24 and 48 inches.

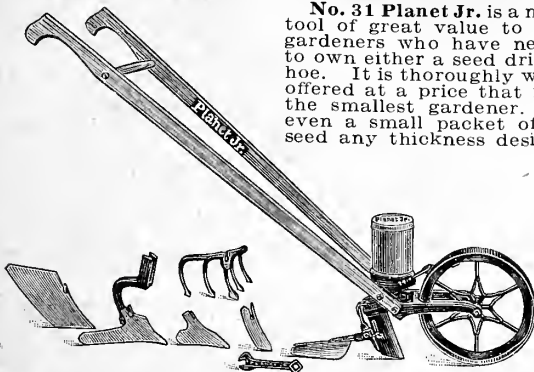
The distance between the wheels is quickly adjusted. Price of five-row, \$10.50; three-row, \$9.50.

Two-Row Spot Marker—This machine is particularly adapted for spotting rows from 12 inches to 30 inches apart where the beds have been made up two at a time with two-row fertilizer or planter. Therefore there is no call for a marking rod. \$4.50.

The One-Row Spot Marker with marking attachment can be used on any single wheel hoe or a double-wheel hoe which has a steel arch. It is intended for use in the home garden where space is at a premium, where uniformity of plants is especially appreciated. Price, complete, \$2.30.

Price of Wheel, complete, to attach to wheel hoes, \$1.50.

NO. 31 PLANET JR. COMBINED DRILL SEEDER AND WHEEL HOE



No. 31 Planet Jr. is a new combined tool of great value to thousands of gardeners who have never felt able to own either a seed drill or a wheel hoe. It is thoroughly well-made and offered at a price that makes it pay the smallest gardener. It will sow even a small packet of any garden seed any thickness desired with the greatest precision from 1/4 to 2 inches deep, in a narrow row. The index is most simple, easily set for every kind of seed. The flow of seed is stopped

simply by raising the handles, and the tool may be thrown in or out of gear in a moment. The bottom of the hopper is open to full view. Seeds difficult to sow, like salsify, parsley, beets and lettuce, or radishes, beans, peas, turnips, cucumbers, carrots, pickles, spinach, celery, cantaloupes, etc., are handled perfectly. It holds one quart.

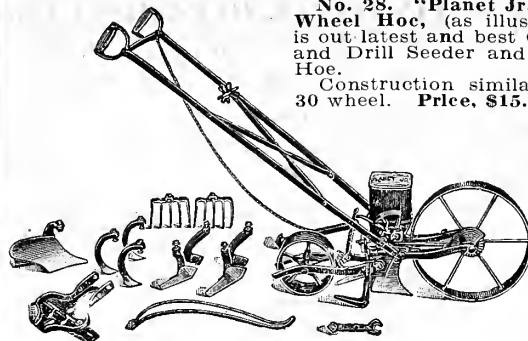
The seed drill attachment may be removed in a moment and be replaced as quickly by a tool standard to which are fitted all the various cultivating attachments.

Price, complete, as per illustration, \$7.00. Seeder only, \$5.00.

"Planet Jr." "Firefly" Garden Plow—Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards. Price, \$2.35.

No. 28. "Planet Jr." Seeder and Wheel Hoe, (as illustrated). This is out latest and best Combined Hill and Drill Seeder and Single Wheel Hoe.

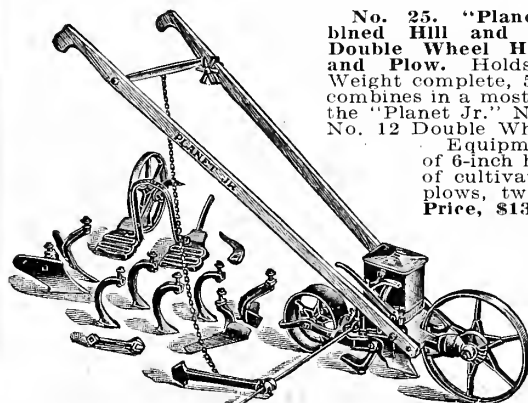
Construction similar to the No. 30 wheel. Price, \$15.00.



No. 28 Planet Jr. Seeder and Wheel Hoe wheel. Weight complete, 53 lbs. Holds 2 1/2 quarts. Equipment on pair of 4 1/2-inch hoes, three cultivator teeth, one garden plow, one leaf guard. Price as a seeder only, \$9.00; complete with Plow, 3 cultivator teeth, 1 pair hoes and leaf lifter, \$11.00.

No. 25. "Planet Jr." Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. Holds 2 1/2 quarts. Weight complete, 59 pounds. It combines in a most practical way the "Planet Jr." No. 4 Drill and No. 12 Double Wheel Hoe.

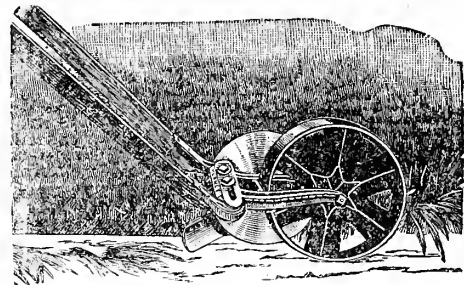
Equipment: One pair of 6-inch hoes, two pairs of cultivator teeth, two plows, two leaf guards. Price, \$13.50.



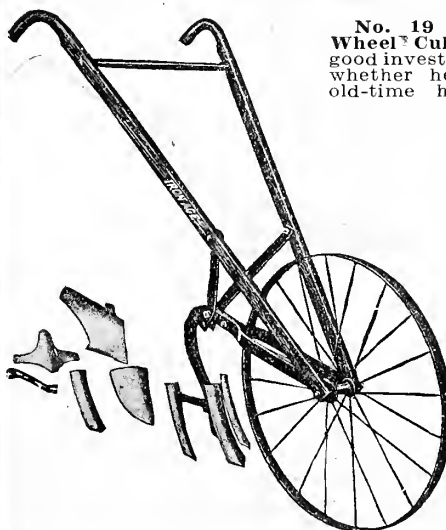
No. 25 Planet Jr. Seeder and Wheel Hoe

"Planet Jr." Grass Edger—Price, \$6.25. Extreme neatness is the great secret of attractiveness in grounds surrounding a house. The "Planet Jr." Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives open borders or flower beds, doing the work well and rapidly when ground is in order, as after rain.

Price, \$6.25. Strawberry growers find the grass edger disc attachment a rapid and excellent tool also for cutting off surplus runners. Goes on all hand tools. Price, \$1.35.



No. 19 C. Iron Age Single Wheel Cultivator and Plow—A good investment for any gardener, whether he is an amateur, an old-time home gardener or a market gardener; but is especially recommended to the man who has never tried any and wants a low price tool to begin with. Price complete \$3.50.



We can furnish all kinds of Farm Tools, Mowers, Rakes, Harrows, Spreaders, Seed Drills, etc., also repairs for same. Catalogues and prices furnished on application.

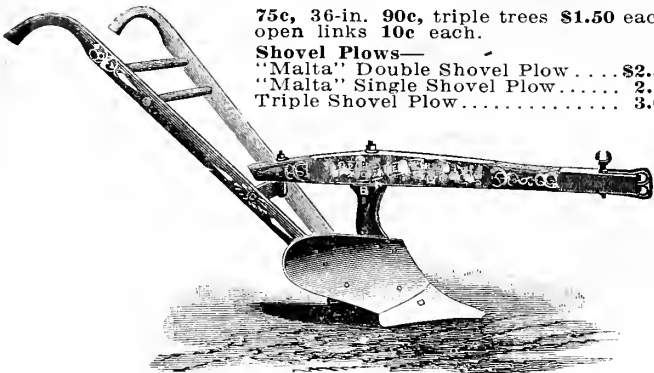
PLOWS, CULTIVATORS, REPAIRS, ETC.

Single Double and Triple Trees—Made of White Oak, painted. 28-in. single tree, 40c, 30-in. 50c, 32-in. 60c, 34-in. double tree

75c, 36-in. 90c, triple trees \$1.50 each, open links 10c each.

Shovel Plows—

"Malta" Double Shovel Plow....\$2.50
"Malta" Single Shovel Plow..... 2.25
Triple Shovel Plow..... 3.00



Oliver Pattern Wood and Steel Beam Plows—In fit, quality and finish, guaranteed the equal of the best. List price for Oliver Pattern Plows and Repairs:

	Wood	Steel	Beam	Beam	Slip	Slip	Slip	Mould-	Wood
	Plow	Plow	Shares	Shares	Shares	Shares	Shares	boards	Beams
No. A	\$5.50	\$6.00	\$0.20	\$0.25	\$0.10	\$0.45	\$1.35	\$1.25	
No. B	7.25	7.50	.25	.30	.10	.60	1.85	1.25	
No. 10	8.50	8.50	.25	.35	.10	.70	2.25	1.25	
No. 13	9.50	9.75	.30	.40	.10	.75	2.50	1.75	
No. 19	10.00	10.50	.30	.40	.10	.85	2.75	1.75	
No. 20	10.50	11.00	.35	.45	.10	.85	3.00	1.75	
No. E	11.00	12.00	.40	.50	.10	.85	3.25	1.75	
No. 40	11.00	12.00	.40	.50	.10	.85	3.25	1.75	

In ordering, mention "Wood" or "Steel" beam, right or left-hand.

Prices for plows include extra Share and Wrench. Wheel, complete. \$1.00; Jointer complete \$2.00; Castor Rolling Coulter \$3.00.

We can also furnish the "Syracuse" and other leading plows and the Repairs. Prices will be furnished on application.

CULTIVATOR TEETH AND REPAIRS

	Price		Price
Diamond Point, 1½ in.	\$0.07½	Horse Hoe Steels, R. & L., each	\$0.20
Diamond Point, 2 in.	.08½	Turn Shovels, R. & L., each	.15
Diamond Point, 2½ in.	.08½	Cultivator Clamps	.30
Diamond Point, 3 in.	.09	Set Screw Cultivator Clamps	.25
Diamond Point 4 in.	.11	Sweeps—8 in.	.20
Oval or Jersey	.10	10 in.	.22
"Planet, Jr., 7-inch		12 in.	.25
Hind Shovel	.25	15 in.	.30
"Planet, Jr., 8-inch		18 in.	.40
Hind Shovel	.30	Cultivator Handles, Complete	.75
Frame and Teeth Bolts	.03		

"PLANET, JR." CULTIVATOR TEETH

	Price		Price
1½ x 8-in. Steels	\$0.09	1½ x 10-in. Steels	\$0.13
1¾ x 8-in. Steels	.10	1¾ x 10-in. Steels	.14
2¼ x 8-in. Steels	.11	2¼ x 10-in. Steels	.17
3 x 8-in. Steels	.12	3 x 10-in. Steels	.19
4 x 8-in. Steels	.13	4 x 10-in. Steels	.22

PLANET JR. ONE HORSE TOOLS NO. 100 PLANET JR. PLAIN CULTIVATOR

For 1916 we offer a new plain cultivator with the object of filling a definite need where lands are light or where farming is done on a modest scale. The Planet Jr. No. 100 Plain Cultivator is the lightest yet strongest known, and one of the best tools we have ever been able to offer. It is the result of long

experience on the farm and of careful manufacture. It weighs but 42 lbs. It will stand almost all kinds of hard-

ship and do beautiful work under adverse conditions. Equipment: Five 3x8-inch cultivator steels. Price less wheels \$3.75.

New Market—5-tooth cultivator, extra strong tool, less wheel \$2.50, with wheel \$3.00.

No. 4. "Planet, Jr., Horse Hoe and Cultivator—This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivation, being adjustable to these several purposes. Furnished with or without the wheel. Price with steel wheel \$6.75, without wheel \$6.00.

No. 4. "Planet, Jr., Plain 5-Tooth Cultivator—This popular tool has been much stiffened and improved by new patent

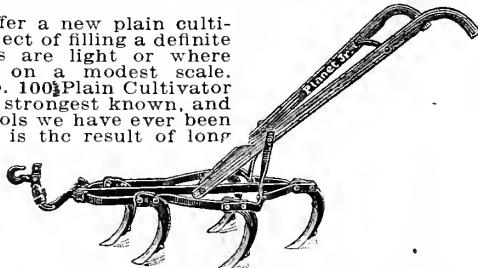


Fig. 1

braces and expanders. Price with steel wheel \$5.50, without wheel \$4.50.

No. 9. "Planet, Jr., Horse Hoe and Cultivator—Identical with the above, but has lever expander. Price with steel wheel \$8.00.

No. 10. The Great New "Planet, Jr., Combination Farm and Garden Horse Hoe, Cultivator, Furrower, Plow and Vine Turner—Equipment: three 3x8-inch cultivator teeth, one pair 6-inch hillers, one plow attachment, one 15-inch fingered sweep, one 10-inch furrower, one vine turner, lever expander and lever wheel. Price complete \$12.00.

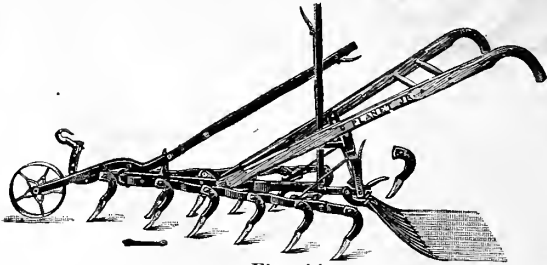


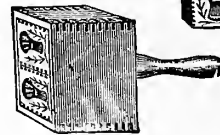
Fig. 11

twelve chisel-shaped teeth do such thorough work, and because the tool is so convenient, durable, strong and complete. This tool expands to 32 inches and contracts to 12 inches. Price complete as illustrated \$9.25, less pulverizer \$7.65, less pulverizer and wheel \$6.20. Plain without lever expander or wheel \$5.00.

REQUISITES FOR THE STABLE AND DAIRY



BALTO. PATTERN HAND MADE BUTTER PRINT



This Butter Print is hand made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use. ½ lb. Sheaf of Wheat Print \$1.00, weight 1 lb. 1 lb. Sheaf of Wheat Print \$1.50, weight 2 lbs. ½ lb. Special Print, Carved with Initial \$2.00, 1 lb. Special Print, Carved with Initial \$2.50, up to 5 letters, over that every letter 10c extra.

Butter Printers—½-lb. size, round or square 25c each. Weight 1 lb.

SEELEY PATTERN BUTTER PRINTER

Furnished with sheaf of wheat. Movable block. ½ lb. 60c. Weight 1 lb. 1 lb. 75c. Weight 2 lbs.

LADLES AND SPADES

4x12 Butter Spade 10c. No. 1 Butter Ladle 15c.

POLISHED MAPLE BOWLS

Bowls 15 inches 35c, bowls 17 inches 55c, bowls 19 inches 75c.

Butter Boxes—These boxes are iron bound at the edges and capped at the corners. An ice box is fitted in the centre, which can be removed at will and the space utilized. Prices in next column.

36 ½-lb. prints	\$4.50	20-lbs. prints	\$3.75
64 ½-lb. prints	5.25	30-lbs. prints	4.25
80 ½-lb. prints	5.50	40-lbs. prints	4.75
100 ½-lb. prints	6.00	56-lbs. prints	5.00
120 ½-lb. prints	6.50	80-lbs. prints	5.50
140 ½-lb. prints	7.00	96-lbs. prints	6.00

Lafayette Butter Printer and Table—Either pound or half-pound size, with table \$15.00, without table \$10.00. Initial or monogram \$1.50 extra.

Parchment Butter Paper—Cut for pound and half-pound prints. Price 20c lb. Special price on quantities.

Floating Dairy Thermometer—Price 25c.

Wells, Richardson & Co.'s Butter Color—The best butter color on the market. Small bottles colors 500 lbs., 25c; large bottles 50c and \$1.00.



Pratt's Animal Regulator is a regulator, digestive and mild tonic. The ingredients consist of pure medicinal roots, herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion.

Ordinarily a great quantity of food given to stock is wasted on account of imperfect assimilation. Pratt's Animal Regulator stops that at once. The worst run-down animal can be given Pratt's Animal Regulator according to directions, and an improvement will be seen almost at once. **Pkg. 25c and 50c, bags 75c and \$1.50.** Parcel Post Weight 2, 7, 12, 25 lbs., respectively.

Dr. Hess' Stock Tonic—25c and 50c pkg. Parcel Post weight 3 lbs. and 7 lbs.

Pratt's Worm Powders—For destroying worms in horses, cows, hogs and sheep. 50c box. Weight 1 lb.

Pratt's Liniment—For man or beast. 25c bottle. Liquid.

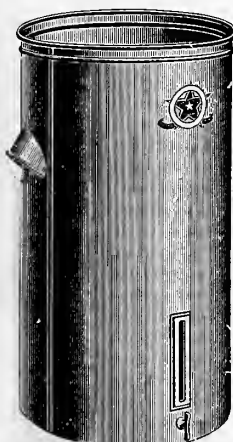
Pratt's Healing Ointment—For man or beast. 25c box. Parcel Post weight 1 lb.

Pratt's Healing Powder—For harness galls, 25c box. Parcel Post weight 1 lb.

Cal-Sino Restorative Powder for Horses—Lessens and expels clogged catarrhal and stagnant waste matter. **Price 50c.** Parcel Post weight 2 lbs. 25 lbs. \$4.00.

Cal-Sino Aperient—For dairy cows or cattle to be fattened—it cannot be excelled. **Pkg. 25c.** Parcel Post weight 2 lbs. 25 lbs. \$4.00.

Cal-Sino Restorative for Swine—Disinfects the bowels, expels worms, regulates nutrition and thereby promotes health and flesh production. **Pkg. 50c.** Parcel Post weight 2 lbs. 25 lbs. \$4.50.



No. 1

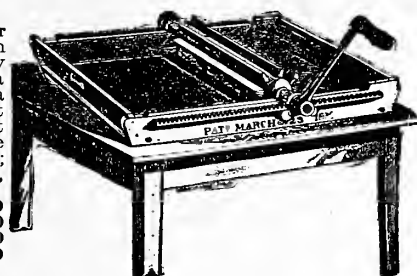
"Star" Cooler Cream Separator—Two cans, one inside of the other. The inner can is for milk and the outer can for water. Great labor saver. The outer cans are painted and decorated.

No. 000,	14 qts.	\$3.50
No. 00,	20 qts.	4.00
No. 01,	25 qts.	4.50
No. 01½,	35 qts.	5.00
No. 02,	45 qts.	6.25
No. 03,	65 qts.	7.50

"Star" Gravity Cream Separator—Fig. 1. Like the above, but only one can. Made of the very best XXXX tin. The milk is mixed with equal quantity of water. Get cream in two or three hours. Not painted.

No. 0,	24 qts.	\$3.00
No. 1,	48 qts.	3.75
No. 2,	88 qts.	4.50
No. 3,	118 qts.	5.50

Prices on Milk Cans, Pails and other Dairy Supplies on application.



Reid's Butter Worker—This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.

No. 1—50 lbs.	\$8.00
No. 2—30 lbs.	6.40
No. 3—20 lbs.	5.60
No. 4—10 lbs.	4.80

RURAL MAIL BOXES

22. Gauge Galvanized Steel, without Inner Galvanized Box; Box has a Letter and Coin Holder for Mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the Box. **Price 75c.** Parcel Post weight 8 lbs.

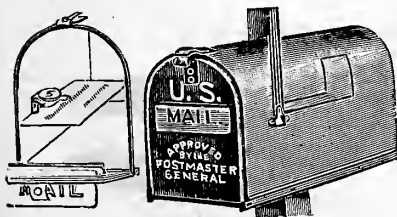


Fig. 3

Dazy Glass Family Churn—Fig. 2. Easy running, easy to clean, produces the finest butter that can be made. No. 30G, churning 1½ qt. \$2.50, No. 40G, 2½ qts. \$3.00.

Dazy Dairy Size—Tin can instead of glass, like the above. No. 1 D. Z., churning from one to four gallons, \$6.00, No. 2 D. Z., churning from one quart to two gallons, \$4.25. Fig. 3.

Improved Cedar Wood Cylinder Churn.

No. 1,	2½ gal.	\$2.25
No. 2,	4 gal.	2.75
No. 3,	7 gal.	3.25
No. 4,	10½ gal.	3.75

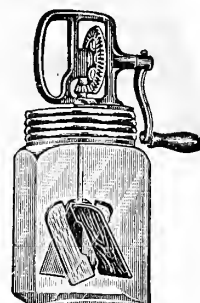


Fig. 2

Rice's Calf Weaner—Fig. 6. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves 30c, by mail 35c. No. 2, for helpers 40c, by mail 50c. No. 3, for cows 60c, by mail 70c.

Bull Rings—Gun metal \$1.25, copper 25c. Different sizes. Postpaid.

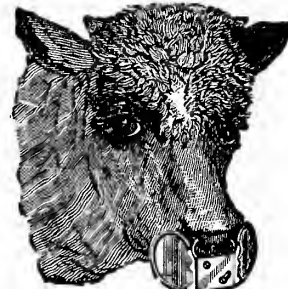


Fig. 6

"NO FLIES HERE"

A liquid designed to protect cows, oxen, horses, mules and all live stock from flies and other insects, and to drive and keep them off.

1 gallon	\$1.50
½ gallon	.85
¼ quart	.50

Conekey's Fly Knocker—1 Gal \$1.00.

Bitter Lick—For horses and cattle of all kinds. Price of brick 25c, doz. \$2.50. **Holders for Bitter Lick Brick**—Made of iron and japanned black. Price each 20c, doz. \$2.00.

BITTER LICK MEDICATED Salt Brick



The Great Conditioner. Lick. Digestor & Worm Destroyer.

OILS AND AXLE GREASE

Harness Oil "Eureka"—Pt. 25c.

Cream Separator Oil—Qt. 25c, 2 qts. 40c, gal. 75c.

Harvesting Machine Oil—Gal. 50c.

Gasoline Engine Oil—Gal. 60c.

Household Lubricant Oil—In can with spout ready for use 15c and 25c filled. Empty can like Fig. 4, fits field mowers—15c each. Parcel Post weight 1 lb.

Mica Axle Grease—Can 10c, 25c and 75c.

BLATCHFORD'S CALF MEAL

The best milk substitute. Protein, 24 to 26%; fat 5 to 6%, carbohydrates, 51 to 53%. **Prices**—25 lbs. \$1.00, 50 lbs. \$2.00, 100 lbs. \$3.50.

BROOMS AND BRUSHES

Plain Corn Brooms, extra quality	\$0.45
Bass Push Broom, 14 in. (see cut)	.50
Bass Push Broom, 36 in.	1.50



Fig. 4



For good results always sow M. & S. Special Grass Mixture for Hay and Pasture.

Gentlemen: I think it may be of some interest to you to know that I have had wonderful results with your pure culture Mushroom Spawn. Most respectfully,

MRS. J. J. GEORGE, Long Green, Md.

Morganza, Md., April 1st, 1914. Gentlemen: I have used your Parcel Post Egg Crates and have shipped by Parcel Post exclusively and find them satisfactory.

Z. JOHNSON.

Owing to the unsettled condition in the wire market, we cannot fix prices at the present time, prices will be quoted on application.

"AMERICAN" STEEL FENCE POST



"American Steel Posts for Poultry Yards"—A 6-foot fence is high enough for the ordinary poultry fence. Putting the posts 2 feet in the ground, this is accomplished by using 8-foot posts. By the use of "American" Steel Posts about the poultry yard sanitary conditions are secured and the poultry is safe from the common pest breeder, the old wood post.

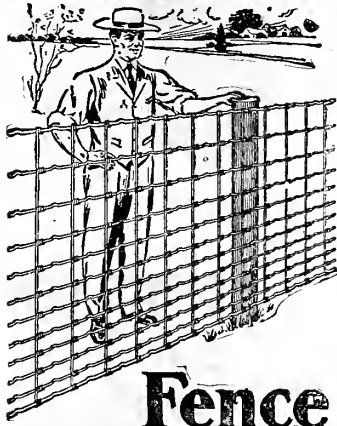
No. 16 Line Post, 6½ ft. 8 foot End Post
No. 16 Line Post, 7 ft. 8 foot Corner Post
No. 16 Line Post, 8 ft. Send for Special Catalog.

Barbed, Ribbon—Price on application.

Plain and other Wires—Prices on application.

Barbed Wire Staples—Price on application.

American



Fence

The "American" Farm Fence is made of large, strong, high-grade steel wires, heavily galvanized. Ample provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put upon it. Does not scar or injure stock. Sold in 10 and 20 rod rolls.

No.	Height	Stays	Str'ds.
726x 6	26 in.	6 in.	7 in.
726x12	26 in.	12 in.	7 in.
832x 6	32 in.	6 in.	8 in.
832x12	32 in.	12 in.	8 in.
949x12	49 in.	12 in.	9 in.
1155x12	55 in.	12 in.	11 in.

FARM GATES AND OTHER SIZES AND STYLES OF STOCK FENCE. Send for Special Descriptive Catalogue and Prices.

TWO-INCH DIAMOND MESH POULTRY NETTING

Put up in rolls of 150 feet. Galvanized after weaving.

No. 20, 1 foot, 150 running feet	.....
No. 20, 1½ feet, 150 running feet	.....
No. 20, 2 feet, 150 running feet	.....
No. 20, 2½ feet, 150 running feet	.....
No. 20, 3 feet, 150 running feet	.....
No. 20, 4 feet, 150 running feet	.....
No. 20, 5 feet, 150 running feet	.....
No. 20, 6 feet, 150 running feet	.....
No. 19, 1 foot, 150 running feet	.....
No. 19, 2 feet, 150 running feet	.....
No. 19, 3 feet, 150 running feet	.....
No. 19, 4 feet, 150 running feet	.....
No. 19, 5 feet, 150 running feet	.....
No. 19, 6 feet, 150 running feet	.....

Two-inch Mesh, 1c per square foot in less than roll lots.

1¼-IN. MESH NETTING

Galvanized after weaving. This wire is small enough to turn baby chicks and pigeons, and much cheaper than the 1-inch mesh.

No. 20, 1 foot, 150 running feet	.....
No. 20, 1½ feet, 150 running feet	.....
No. 20, 2 feet, 150 running feet	.....
No. 20, 2½ feet, 150 running feet	.....
No. 20, 3 feet, 150 running feet	.....
No. 20, 4 feet, 150 running feet	.....
No. 20, 5 feet, 150 running feet	.....
No. 20, 6 feet, 150 running feet	.....

1¼-Inch Mesh, 2c per square foot in less than roll lots.

1-INCH MESH NETTING

One foot, 150 running feet; 2 foot; 3 foot; 4 foot; 5 foot; 6 foot. Less than Roll Lots 2½c foot.

Poultry Wire Staples, 10c per lb.

Illustration of two-inch Diamond Mesh Poultry Wire

Prices on 1¼-Inch Wire

21 BARS	58 INCH
20 BARS	53 INCH
19 BARS	48 INCH
18 BARS	43 INCH
16 BARS	35 INCH
13 BARS	24 INCH

The "New American and" Rabbit Fence—For poultry yards, gardens, orchards and yards; it is a great favorite. 165 running feet, 48 in.; 53 in.; 58 in.

Hardware Cloth—For lining corn cribs, poultry houses, etc., put up in rolls of 100 running feet. Rat and bird proof. 24-in., 30-in., 36-in., 48-in.



EVERLASTIC RUBBER ROOFING

Everlastic Rubber Roofing—The roofing with life. Will not crack, dry out, rust or rot in any climate. It is the most durable for roofing because its waterproofing oils are least affected by the elements. It does not oxidize from exposure to the air. It does not volatilize or evaporate from the heat of the sun. Extreme cold doesn't take the life out of it. Put up in rolls containing 108 square feet, 36 inches wide. Sufficient nails and cement packed in each roll.

1-ply, guaranteed 5 yrs. \$1.50
2-ply, guaranteed 7 yrs. 1.75
3-ply, guaranteed 10 yrs. 2.00
Sample mailed on request.
Special price in quantities.

Dry Cell Batteries—Strong and lasting, for ignition work in automobiles, motor boats, gas and gasoline engines, motors, small lights, bells, etc., 40c each. Weight, 3 lbs. each.



"AMATITE" ROOFING

"Amatite" Roofing—It is heavily coated and mineral surfaced at time of manufacture. After simply nailing in place on the roof, it needs no painting; in fact, no care or attention of any kind for years. It is made of roofing materials that have been time-tried and tested in every climate and under all conditions.

Rolls 32 inches wide; 110 square feet, sufficient to cover 100 square feet of roof, allowing 3-inch laps. Cement and nails packed with each roll. Price, per roll, \$2.00; five rolls, \$9.50.

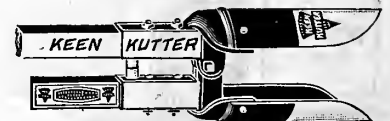
RED SEAL TAR ROOFING PAPER

2-ply Red Seal Tar Roofing Paper, per roll of 108 square feet. \$0.70
3-ply Red Seal Tar Roofing Paper, per roll of 108 square feet. 1.00

POSTHOLE DIGGER

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft. will dig hole 6 in. in diameter. Price, \$1.50.

Post Hole, or Well Augers—Price, \$3.00.



FEED CUTTERS, CORN SHELLERS, ETC.

Kokosing Revolving Cutter—This cutter meets a long-felt want for a hand-machine that is low priced, strong, durable, well finished and at the same time, one that has good capacity, a wide throat and does its work with ease.

It is made of the best material, and in that very best manner in every particular; is as durable as a power cutter and is finished like a piece of furniture. It has an 11-inch knife, a self-feed, and can be changed in a moment to cut various lengths. Weight 190 lbs. Price \$13.50.

Buch's Hand Lever Feed Cutter—Fig. 5. This cutter is simple, durable and low priced. It has a 11-in. tempered curved

knife which can be adjusted to any length of cut desired up to 3 in.; cuts either green or dry fodder. Price \$3.00.

Clover Cutter—Price with the balance wheel \$8.00, with the balance wheel and iron stand \$10.00.

GREEN BONE CUTTERS AND FEED GRINDERS

The feed is both automatic and self-governing. Cuts all gristle and meat. Nothing escapes uncut.

No. 5C. This machine is exactly the same as the No. 5B, with a crank handle instead of a balance wheel. Capacity not quite equal to 5B. Weight, 35 lbs. Price \$6.00.

No. 5B. This machine is exactly the same as No. 5BM, except that it has not the iron stand. The capacity is the same. Weight, 60 lbs. Price, \$8.00.

No. 5BM. Intended for flocks of 15 to 25 hens. Mounted on iron stand. Cylinder 6 in. diameter, 4 in. deep. Cutter plate has 4 knives instead of 3. Price, \$10.40.

No. 7. Intended for flocks of 40 to 100 hens. Mounted on strong iron stand with large table for box or pan to receive cut bone. Weight, 107 lbs. Cylinder, 7 1/4 in. in diameter, 5 1/4 in. deep. Capacity, 1/2 to 1 lb. per minute. Price, \$12.00.

No. 7 1/2 Semi-power Machine, \$16.00. **No. 11. Comb Power Cutter,** \$26.00. **No. 12. Small Power Cutter,** \$30.00. **No. 15. Large Power Cutter,** \$60.00. Send for Special Catalogue.

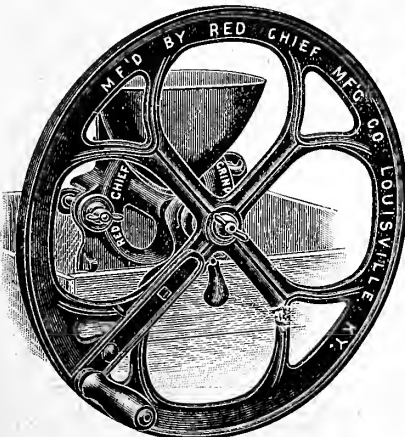


Fig. 5

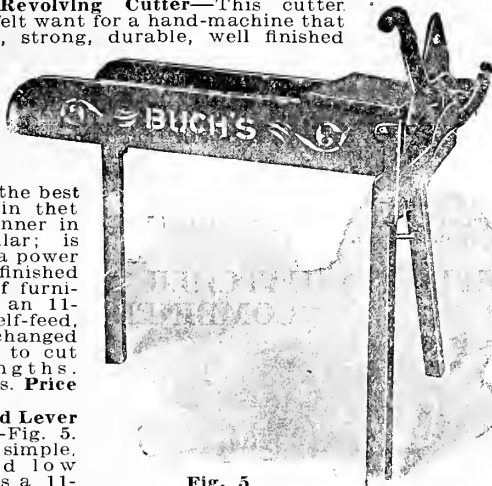


Fig. 5

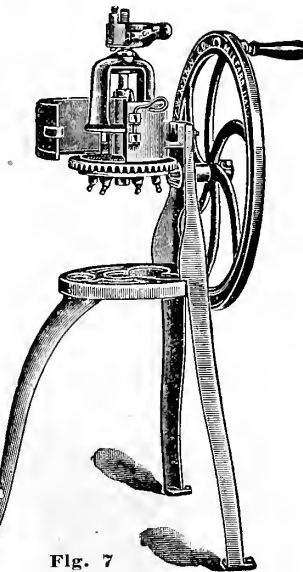


Fig. 7

"Red Chief" Power Mills—For grinding corn meal, graham flour, stock feed, etc. Ideal mills for grinding mixed feed. Will grind 8 to 20 bushels feed per hour; 3 to 5 bushels good corn meal per hour. Power required, 3/4 to 2 horsepower gasoline engine or over. A hand crank for use when engine is not running. A child can grind a bushel of chicken feed by hand in 10 minutes. Galvanized iron hopper. Reversible belt shift. Feed regulator. All bearings bronze bearing metal. Easy to adjust. Price, \$15.00.

"Red Chief" Grinding Mill—No. 1. For cracking corn, wheat and other grains. Price, \$25.00. Parcel Post weight, 10 lbs.

"Red Chief". No. 5. Like above but has fly wheel and larger capacity. Price, \$4.00. Weight, 20 lbs.

"Red Chief" Grinding Mill. No. 10. This mill has greater capacity than the No. 1 mill, and makes an excellent coffee and spice mill for grocers' or family use, as well as being a very rapid grinder of chicken feed or meal. Weight, 35 lbs.; capacity, 2 to 4 bus. per hour. Price, \$5.00 with stand.

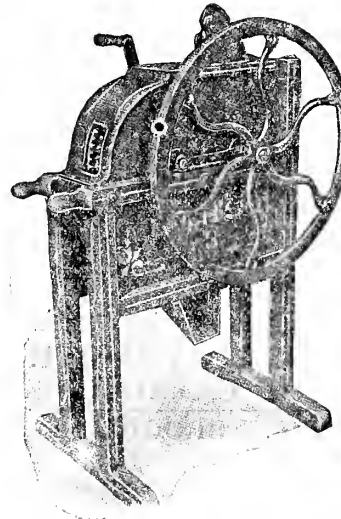


Fig. 7

Buch's Corn Sheller—This machine will shell perfectly clean, and separate all the corn from the cobs, discharging shelled corn and cobs separately without injuring a grain nor breaking a cob, whether the ears are large or small. Such a thing as choking is unknown. For ease of running, it has no equal. Its capacity is about 25 bushels per hour. Price, \$7.00. Fig. 7.

Red Chief Corn Sheller—This sheller is guaranteed to do good work. It is heavy in construction, with patent oval shaped teeth, which are so arranged to shell more rapidly and avoid injuring the grain, thus making it safe for shelling seed corn. Adjusts itself to any size ear. Price each \$1.75, weight 12 lbs. Fig. 6.

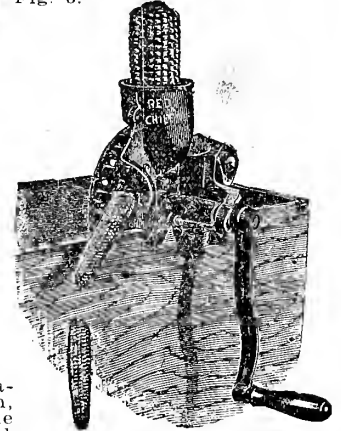


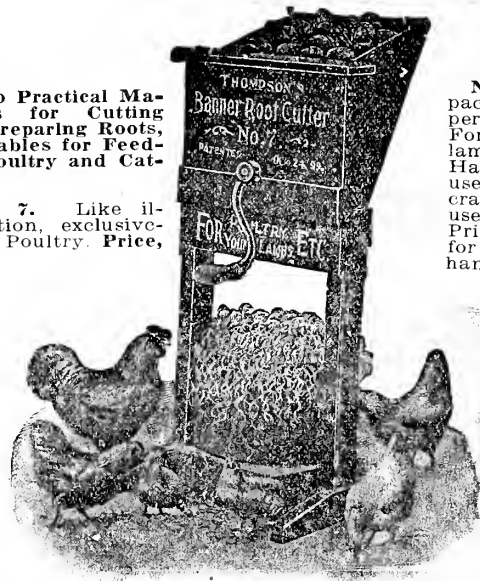
Fig. 6

BANNER ROOT CUTTER

Two Practical Machines for Cutting and Preparing Roots, Vegetables for Feeding Poultry and Cattle.

No. 7. Like illustration, exclusively for Poultry. Price, \$5.00.

No. 28. Capacity of hopper 2 1/2 bushels. For sheep, lambs and fowls. Hand or power use. Price, with crank for hand use only, \$15.00. Price, complete for power or hand use, \$16.00.



Edgewater Farm, McDaniel, Md., August 9, 1916. Gentlemen: I will use no other food except the Park & Pollard's Growing Food and Dry Mash for my fowls. It is better than all others, and I have used all kinds of food for 18 years.

Yours very truly,
GEORGE A. McFARLAND.

CIDER MILLS—WINE, OR BERRY PRESSES

Cider Mills—Made of best quality wood, carefully bolted and finished.

Single Cage Mill—Weight, 140 lbs. Similiar to the wine and cider mill described, only it is larger and will take larger apples, and, being a geared mill, will do much more rapid work. Price, \$10.00.

Junior — Capacity 2 to 4 barrels per day, \$12.50.

Medium — Capacity, 6 to 8 barrels per day, \$17.50.

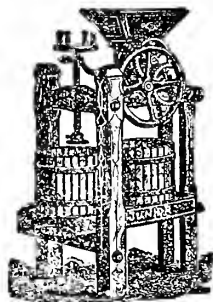
Senior — Capacity 6 to 12 barrels per day, \$25.00.

Wine, or Berry Presses — Made of best quality wood, carefully bolted and finished.

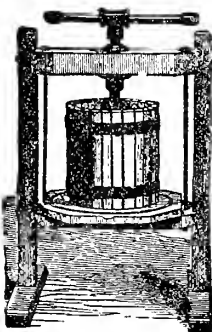
No. 1 — Capacity 1 peck, \$3.75.

No. 2 — Capacity 2½ pecks, \$4.50.

No. 3 — Capacity 4 pecks, \$7.00.



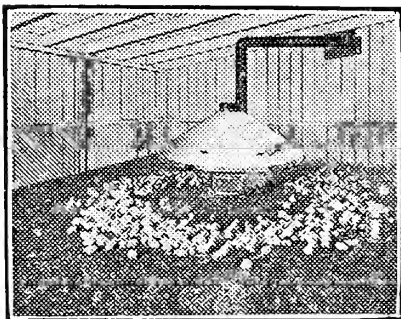
Cider Mill



Wine Press

IF IN THE MARKET FOR A MAMMOTH INCUBATOR SEND FOR CATALOG

NEWTOWN GIANT COLONY BROODER THE ONE PERFECT BROODER



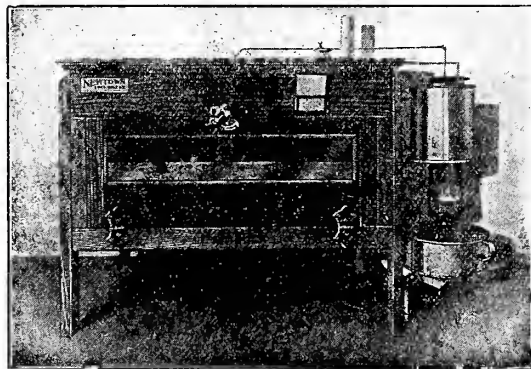
n Operation, Showing 1,000 Chicks
Simplest, Safest and Most Economical

It has a thoroughly demonstrated its right to be called "The One Perfect Brooder" and is justly claimed to be superior to any Colony Brooder on the market. Through years of practical tests and use under all conditions it has been brought to a point of perfection in the details of construction. The Newtown is not an experiment — it has made good. The purchaser of this time-tested Brooder runs no risk; he knows it will give satisfaction. More Newtowns are in successful operation than all other makes of coal-burning Colony Brooders combined.

Premier,	200 chicks or less.....	\$15.00
Size No. 10,	300 chicks or less.....	20.00
Size No. 11,	500 chicks or less.....	25.00
Size No. 12,	1,200 chicks or less.....	32.50

Send for descriptive catalogue.

NEWTOWN "BABY" GIANT INCUBATORS 60, 150 and 300-Eggs Capacity With Hot-Water Heating Systems



60-Egg Hot Water Newton

These small machines embody those valuable features of the Giant sizes, and cannot be secured with any other large or small incubator.

Double regulation of temperature—an Automatic Regulator at the oil heater, and at the egg chamber—which compels always accurate temperature. They have automatic regulation of moisture supply.

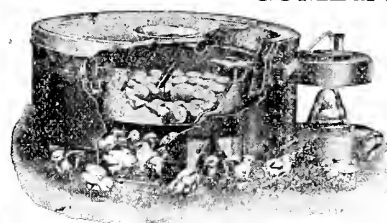
Newtown Incubators are constructed of specially selected materials, and built for long-time service. Equipment includes Automatic Moisture and Temperature Regulator, Automatic Egg Turner, Moisture Pan, and Thermometer. The 150 and 300-egg sizes have nursery trays—a new feature without additional cost. The 300-egg Newtown is the only machine of its size with two individual compartments.

The Newtown is the only small incubator in which wrought iron pipes are employed for hot-water heating system—pipes of a material that does not rust or spring leaks.

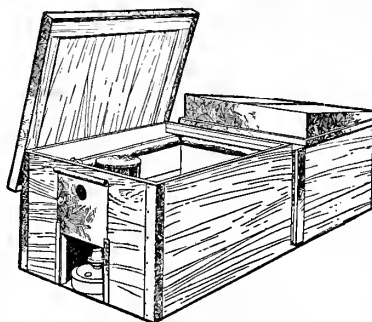
Write for literature describing and illustrating these small Newtown Hot-water Incubators.

Prices: 60-Eggs size, \$10.00; 150-Eggs size, \$22.00; 300-Eggs size, \$35.00.

SIMPLICITY HATCHER AND BROODER COMBINED



The diffusion system of ventilation is automatic and controls the moisture to a fraction of a degree. The automatic heat regulator that never fails. Absolutely sanitary and fire-proof.



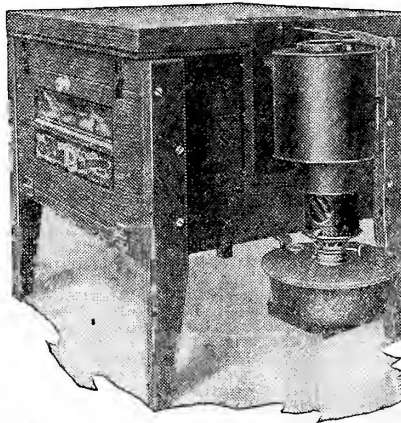
market at the price. **Price, \$12.00.** Capacity of Brooder, 100 chicks. Sold under a positive guarantee. Write for descriptive circular.

is so simple and easy to operate that almost any child can operate it. Its unique construction is along scientific lines, in corporation Natural principles, and is nearer to nature than any other hatcher ever devised. The annular water tank surrounding the egg-chamber insures an even distribution of heat to every egg in the machine.

Glass top, which enables the operator to see the chicks hatching and to see the thermometer without removing the top. Hot water heater; copper tank; capacity 50 eggs. **Price, \$8.50.**

None-Such Brooders are built from genuine Red Cypress and Galvanized Sheet Steel and may be used either as an In-Door or Out-Door Brooder and the heating system is so arranged having a graduated temperature which insures against crowding of chicks. The best all-around brooder on the

THE PEEPY GEM INCUBATOR



Peepy Incubator

The Peepy Gem Incubator is a low-priced, carefully made machine, with patented features. It has been tested by thousands of successful operators, and is not to be compared for a moment with cheap, hot-air machines, as it is constructed with double walls and top one and one-half inches thick, solidly packed with wool felt. It is constructed of cypress, basswood and poplar, very carefully finished. The door hinged at the bottom and closes snugly against wool felt packing, is one inch thick and fitted with double glass; the legs as shown, are strong and reach to top of case and are fastened with screws; egg chamber is roomy and nursery is provided with removable

bottom for easy cleaning.

It is heated by our patented hot water system, fitted with a brass double wafer end regulator, table top, and has safety lamp, tested thermometer, egg tester, egg tray and full directions. Ready for instant use. Capacity, 50 eggs. **Price, \$6.00.**

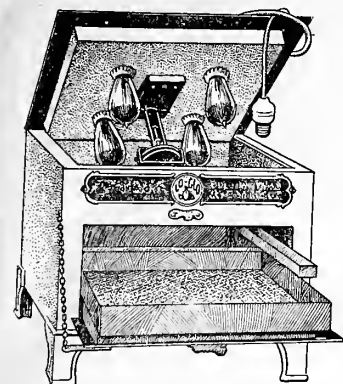
Mrs. F. C. Baker, of 312 Belair Road, tells us that she put 35 Pekin Duck eggs in a Cycle Hatcher and hatched out 31 healthy ducklings.

“LO-GLO” ELECTRIC INCUBATORS

The successful application of electricity to incubation in the “Lo-Glo” Electric Incubator opens up the way to thousands of families for all the enjoyment and pleasure of raising their own chickens.

Every one within reach of an electric wire can now discard all other incubators, replacing them with a No-Trouble, No-Worry, Sure-to-Hatch “Lo-Glo.”

“Lo-Glo” machines are of metal. They have no oil lamps. They cannot catch fire.



No. 500, capacity 50 eggs.....	\$15.00
No. 650, capacity 65 eggs.....	18.00
No. 850, capacity 85 eggs.....	21.00
No. 1200, capacity 120 eggs.....	24.00
No. 1600, capacity 160 eggs.....	28.00
No. 2100, capacity 210 eggs.....	33.00
No. 3100, capacity 310 eggs.....	44.00
No. 4200, capacity 420 eggs.....	55.00

Extension legs \$1.50 extra.

“Lo-Glo” Complete Practical Poultry Outfits—Complete catalogue on application.

THE CYCLE HATCHER

“Philo” Cycle Hatcher is designed to take the place of the hen and the large clumsy incubators, and to carry out the development of the embryo chick in the egg to a living, healthy bird by a device approaching nearer to the stage of perfection in construction, operation and control of the moisture than anything on the market to date. Send for special catalogue on “Philo” goods.

Cycle Hatchers, complete with Lamp, Thermometer, etc. Price \$6.00.

Brooder Hatchers—Complete with Lamp, Thermometer, etc., \$8.00.

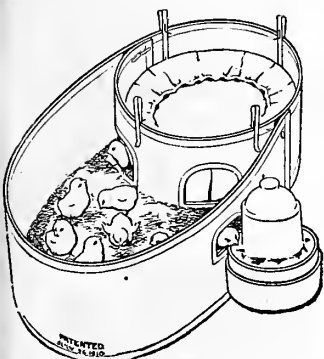


Cycle Hatcher

“Philo” Galvanized Iron Brooder—One large size \$2.50, two large size \$4.75, four large size \$9.25, one medium size \$2.00, two medium size \$3.75, four medium size \$7.25, one small size \$1.50, two small size \$2.75, four small size \$5.25. Set of three Galvanized Iron Brooders, one of each size, \$5.00.

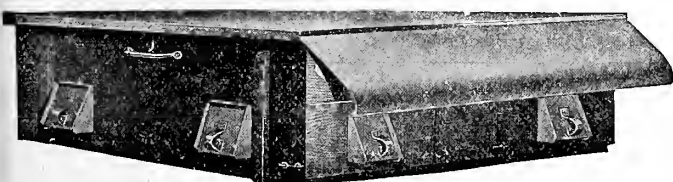
“Philo” Educator Brooders—Complete. One \$5.00, two \$9.50, four \$18.00.

The “Lullaby” Brooder is positively the most simple brooder on the market, and yet it is built on lines true to nature, which insures the raising of nearly every chick entrusted to its care. Capacity 25 chicks. Price, complete, \$1.00, weight 2 lbs.



The “Lullaby” Brooder

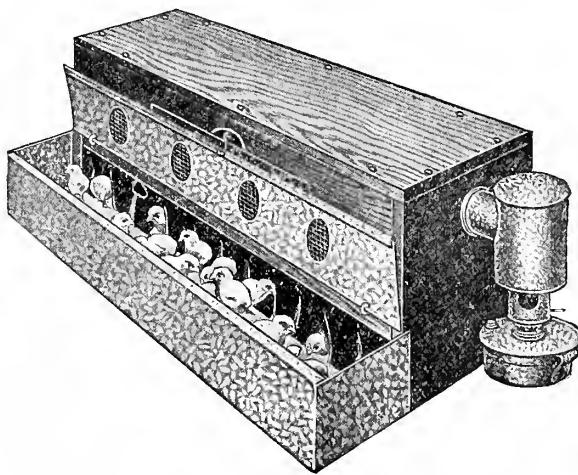
“MANDY LEE” INCUBATORS AND BROODERS



Fireless Brooder No. 8

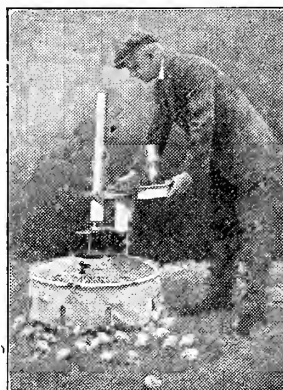
You can't buy better incubators and brooders than the “Mandy Lee.” Space will not permit extended description here, but illustrations give a good idea of what these machines are and the catalogue—free on request—tells about them in detail. The ideal hatching and brooding equipment. Perfect control of heat, moisture and ventilation. All but the 60-egg passed by the National Board of Fire Underwriters.

Prices of Mandy Lee Incubators: 100-egg size \$18.00, 150-egg size \$24.00. Illustrated catalogue on application. No. 8 and 10 Mandy Lee Fireless Brooder—These can be used in or outdoors, according to the condition of the weather. No. 8 will hover 50 chicks. Price \$5.00. No. 10 will accommodate 100 chicks. Price \$8.00.



The 60-Chick Indoor Brooder—(Heated) Accommodates nicely more than 60 chicks. This brooder is just the thing to go with a 60-egg incubator. For large machines we recommend the regular “Mandy Lee” and the Secondary Brooder. The Secondary is intended, as its name indicates, for chicks two or three weeks old or after they have been through the Regular Brooder. Price, as illustrated, \$5.00.

THE INTERNATIONAL SANITARY HOVER



The International Sanitary Hovers have stood every climatic test from Panama to Quebec. Practical poultrymen, state experiment stations, and poultry judges indorse them. You can raise chicks anywhere with International Sanitary Hovers. No specially constructed houses are necessary. There is no better place than in your regular hen houses.

Sanitary Hovers are as practical for the small back-yard poultry raiser as for the large poultry farms. They are fire-proof and vermin-proof—warmest at the curtain, radiate heat downward on the backs of the chicks, and in this way prevent leg weakness—usable anywhere—ready for business wherever placed. To set them up, you simply set them down. No crowding or smothering of chicks—no kneeling in mud to get at the lamp—no cutting of holes or building of platforms.

You want the best brooding device—you will get it in the Sanitary Hovers. Capacity, 100 chicks. Price \$8.50 each. Mammoth Hover—A blue-flame Hover for 500 to 600 chicks. Identical in principle with the standard (100-chick) Sanitary Hover. Price \$25.00.

POULTRY HOUSES

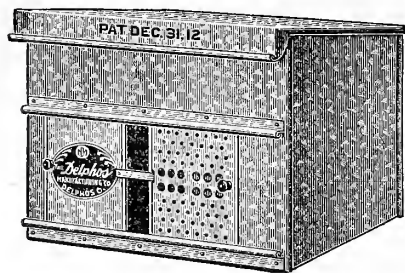
Specification and price furnished on application.

The “Philo” System Coops—As space will not allow us to go into details, we suggest to our customers to let us send them interesting and instructive books on “Philo” System Goods.

The “Standard” Brood Coop—For hen with chicks. Is rain-proof, rat-proof, vermin-proof, and an absolutely safe and sanitary home. Of first importance to the raising of little chickens is a properly ventilated coop, consequently this matter was given the closest attention. Around the bottom of the “Standard” Coop we have turned out small openings similar to the ventilations on automobile hoods. Price \$2.00, ½ doz. \$10.00.



BROOD COOPS



The Delphos Superior Galvanized Brooder Coop—Packed flat and can be put together without any tools. The bottom is elevated so chicks are not exposed to dampness, and it can be removed in an instant to be cleaned. All parts slide together in a bead and coop is perfectly rigid. Can be taken apart and packed away flat, occupying very little space when not in use. Rat and varmin-proof. Lice will not live

in a metal coop. A perfect shelter for hen and young chicks. Size, 17½x23x19 inches high in front and 16 inches high in back. Price \$2.00.

"REGAL" OATS SPROUTER

The value of this machine can only be appreciated after you have tested it out. No wood is used in its construction, to warp and fall to pieces after a few days' use. Made from the best grade of Galvanized Steel. Double walled with heat flues running the full length inside. Every drop of moisture and drip goes direct into drip pan. This is one of our special features. Another important feature is the taking in of warm, fresh air not supplied by other makes. If directions are followed, there will be no moulding or souring of grain.

Do your part and this machine will make sprouts several inches high in as many days. Absolutely safe and a piece of furniture that will look good in any kitchen. Made to give satisfaction.

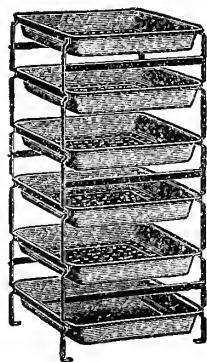
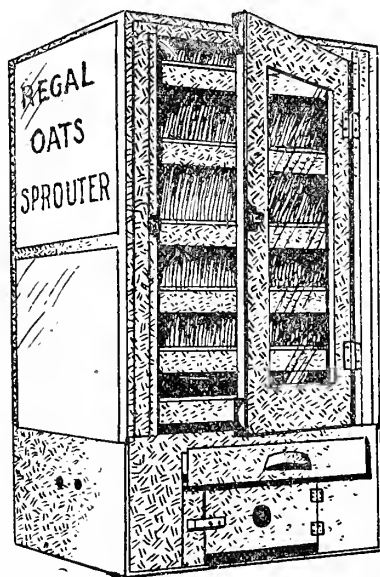
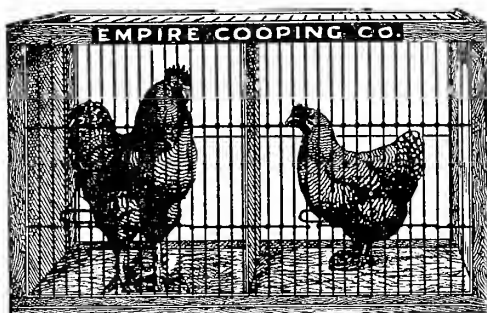


Fig. 1

Empire Exhibition Coops—For training and conditioning show birds, as well as for using to exhibit them. These are carefully and substantially made and will materially aid any bird in winning on account of the way they show them off. Made in different sizes Poultry, Pigeons, Turkeys, Geese, Cats, Cavies and Hares. Send for special catalog.



Style C

For prices see top of next column.

Style for Poultry and Ducks

	Height	Width	Length	Price
AA (for 1 or 2 birds)	27	24	24	\$3.50
C (2 compartments)	27	24	48	5.00
A (3 compartments)	27	24	66	5.80
G (4 compartments)	27	24	88	7.60

The Eyrie Shipping Coop—Fig. 2. Made of corrugated paper, will carry any distance. saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock room. Capacity Size Each Doz.

B, Single, 12x18x22 in.	\$0.40	\$4.00
D, Trio, 20x22x22 in.	.55	6.00
E, Pen, 20x24x22 in.	.65	6.50

Empire Shipping Coops—This is an entirely wooden coop, used for shipping exhibition birds. They are carefully made and will last many trips, carrying the contents safely. Shipped knocked down.

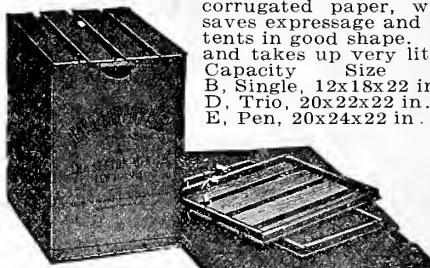


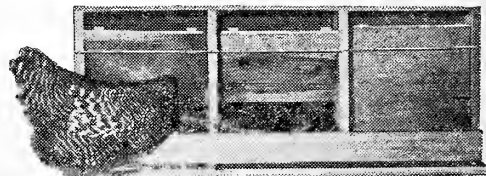
Fig. 2

	High	Wide	Long	Each	Doz.
Single Bird Size	25	12	22	\$0.75	\$8.40
Trio Bird Size	25	18	22	.90	9.60
Pen Bird Size	25	22	22	1.00	10.80

NEWTON PRACTICAL TRAP NEST

The truly reliable detector of the shirking hen.

The **Practical Trap Nest** is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce. Made in sections of 1 to 5 nests. Strongly built of good lumber, as light in weight as consistent with strength and durability, with a trap that works noiselessly and surely.



PRICES, SHIPPED CRATED, READY FOR USE:

One Complete Single Nest, 14x18x15 in.	\$1.00
One Complete Set of 2 Nests, 27x18x15 in.	1.80
One Complete Set of 3 Nests, 40x18x15 in.	2.50
One Complete Set of 4 Nests, 53x18x15 in.	3.20
One Complete Set of 5 Nests, 67x18x15 in.	3.90

Your order for one or more Practical Trap Nests will receive our prompt attention. Send it now and do away with those birds that produce nothing and eat much.

EGG BOXES, CARRIERS, TURNERS, ETC.

"Modern" Egg Carrier—Fig. 4.

Just the thing to bring eggs to market. 4-doz. size \$1.00, 6-doz. size \$1.25, 8 doz. size \$1.50, 12-doz. size \$2.00, wt. 6, 8, 9, 10 lbs., respectively.

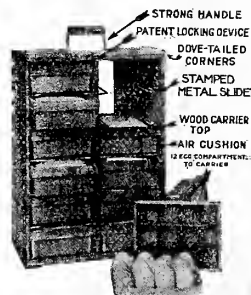


Fig. 4

"Humpty Dumpty" Egg Carrier—Fig. 5. Collapsible. 12-dozen size. Each 40c, per doz. \$3.25. Wt. 7 lbs. each.



Fig. 5

January 8, 1913. Gentlemen: It gives me pleasure to write you and tell you the good success that I had during the spring of 1912 with the 60-egg Mandy Lee Incubator purchased from you early in 1912. The hatch that I made, I believe, is a record on this small machine. Started the machine with sixty (60) eggs and made a hatch of fifty-two (52) and raised forty-seven (47) of the fifty-two (52) hatched. These pullets are now laying, and have been since the middle of November, and thinking that you may be interested in the enclosed picture of them, I take pleasure in handing you a copy. Respectfully yours,
 B. M. OBERDORFER, No. 21 S. Hanover St.

When ordering Parcel Post Egg and Butter Boxes, to be sent by parcel post, and cash accompanies order, always include the right amount, according to weight and zone. For parcel post rate see last page.

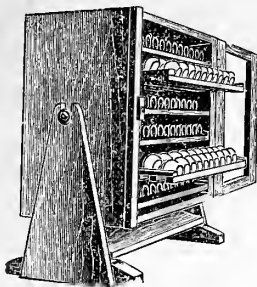


Fig. 6

The Houghton Egg Turner—Fig. 6. Of inestimable value to poultry raisers. The eggs can all be turned in a moment's time with positive certainty and without risk of breaking. A great labor saver. Made in four sizes.

15-doz. size.....	\$3.25
28-doz. size.....	4.25
42-doz. size.....	5.75
84-doz. size.....	8.50

EGG BOXES FOR PARCEL POST

Fig. 7

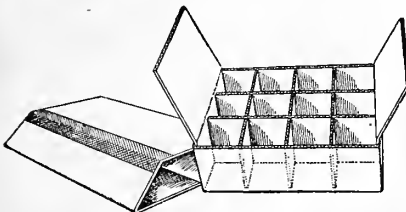


Fig. 7

For shipment each egg must be wrapped in paper.

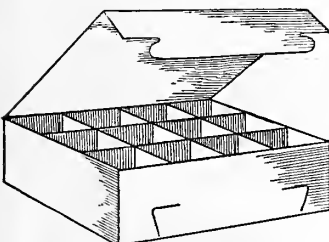


Fig. 8

seller. They knock down in a very compact shape. 10c per doz. weight 2 lbs. 75c per 100, weight 11 lbs. \$1.50 per pkg. of 250.



Fig. 9

Continental Egg Box—Fig. 9. Eggs packed in these boxes will withstand rough handling and reach the consumer in the best condition. They can be packed neatly in all standard sizes of egg shipping crates. 15c per doz., weight 2 lbs. 2 doz. 25c, 50 50c, 100 90c, weight 14 lbs. 1000 \$7.00.

Egg Case Fillers— For Humpty Dumpty or Regular 15 and 30 dozen Egg Crates. Box containing 100 Fillers and Dividers, enough to fill 10 30-doz. Egg Cases \$1.75, doz. lots 25c, weight 2 lbs.

Anderson's Egg Boxes — Fig. 11. These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.

	Each	Doz.
One setting, wt. 1 lb.	\$0.15	\$1.15
Two settings, wt. 2 lbs. ....	.20	1.90
50-egg size, wt. 4 lbs. ....	.25	2.75
100-egg size, wt. 5 lbs. ....	.40	4.50



Fig. 11

Loc-Krate—For shipping eggs for commercial purposes, made of good, well-seasoned lumber, with paste-board fillers and a self-locking arrangement. 15-doz. size 75c, 30-doz. size \$1.25.

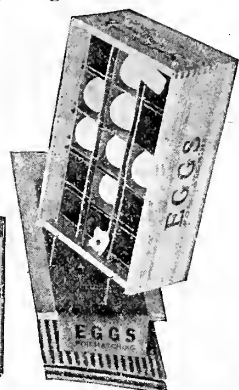


Fig. 10

"Saf-eg-pak" Box—Fig. 10. Absolutely no risk in sending valuable hatching eggs by express, parcel post, etc. Made of wood.

Size	Each	Doz.
2 settings (30 eggs) wt. 3 lbs.	\$0.40	\$4.00
50 eggs, wt. 4 lbs. ....	.60	
75 eggs, wt. 5 lbs. ....	.70	
100 eggs, wt. 6 lbs. ....	.80	

BUTTER BOXES FOR PARCEL POST

This two-piece corrugated box is designed to hold 1, 2, 3, 5 pounds of butter when packed in Tuck End Cartons (which are included in the price) for shipment in Local Delivery and First Zone. The air cells in the corrugated board assist in preserving a uniform interior temperature, making possible the delivery of the butter in a cool, sweet and sanitary condition. Folds flat for shipment.

	100
1 lb., 3c each; Shipping wt., 1 lb., 30c; Shipping wt., 2 lb., \$2.25	
2 lb., 4c each; Shipping wt., 1 lb., 40c; Shipping wt., 5 lb., 3.00	
3 lb., 5c each; Shipping wt., 1 lb., 50c; Shipping wt., 5 lb., 3.50	
5 lb., 6c each; Shipping wt., 1 lb., 60c; Shipping wt., 9 lb., 4.25	

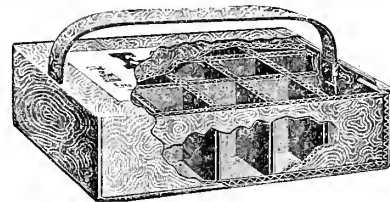


Fig. 2

Eyrie Egg Boxes— Fig. 2, 1 setting, each 15c, wt. 1 lb. \$1.35 per doz. 2 settings, each 20c, wt. 2 lbs. \$2.00 per doz. Cannot be used for parcel post on account of locking feature.

CHICK BOXES

Star Chick Box—Outside frame made entirely of wood and is shipped set up ready for use. 1 doz. chick size 25c, weight 2 lbs. 25 chick size 30c, weight 3 lbs. 100 chick size 70c, weight 10 lbs.

Live Chick Shipping Box—Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.



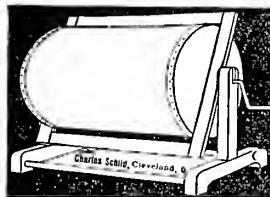
	Weight of 1 box	Size	Each	Doz.
25 chicks	1	12 x 6 x 5	\$0.12	\$1.25
50 chicks	2	12 x 12 x 5	.20	1.75
100 chicks	3	24 x 12 x 5	.35	3.00

SCHILD'S LIGHTNING LICE KILLING MACHINE

For Eggs in Winter it Can't be Beat.

Look at the picture and see what a simple thing it is. Any man, woman or child can operate it. Yet it is so strongly made, so nicely painted, that one will last you almost a lifetime if given proper shelter.

If you do not want your old fowls to suffer with Body Lice, Colds, Roup, Diarrhoca and Cholera in the cold fall and winter months, and if you want them to lay eggs, use Schild's Lightning Lice Killing Machine.



This Machine will clean from 20 to 50 little chicks, or seven to 9 old fowls, at one operation, according to age, size and breed. It will absolutely do no harm to little chicks or laying hens.

If you now own a badly rundown flock or any sick fowls, put them through the Schild Lightning Lice Killing Machine and see what it will do for them. If it does not make you open your eyes some, then it will be because you are stone blind.

No. 1, small size	\$2.50
No. 2, medium size	3.00
No. 3, large size	4.00

Special Powder for using in these machines, 25c pkg. 1 pkg. furnished with each machine.

Sometime ago I bought a four-dozen Parcel Post Egg Box from your house. Same made fourteen round trips between Baltimore and Freeland, Md. In the entire time only two eggs cracked.

Yours truly,
(Signed) J. W. ERDMAN, Baltimore, Md.



THE NORWICH AUTO-MATIC EXERCISER AND FEEDER

Were awarded Gold and Silver Medal at the Panama Pacific Exposition.

Thousands upon thousands in use in every part of the civilized world. Operates with any grain or mixture; never out of order and will last a lifetime. Saves Grain, saves Labor, saves Time. Increases egg production. Waste, Rain, Rat and Bird proof. Improves the flock. Guaranteed satisfactory in every respect or money refunded.

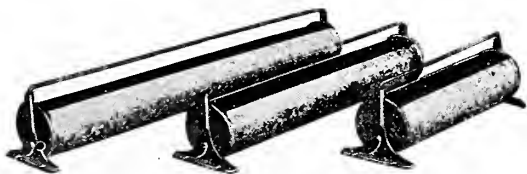
	Actual Shipping Weight lbs.	Price
No. 1, 8-qt. Hopper	13	\$2.50
No. 2, 14-qt. Hopper	15	3.25
No. 3, 20-qt. Hopper	20	4.10
No. 4, 32-qt. Hopper	27	5.00

Awarded first prize wherever exhibited.

F. O. B. Baltimore, Md. Discount on quantities.

Can be sent Parcel Post—add postage for zone.

NORWICH CHICK FEEDER



Positively prevents chicks from wasting the mash, and it is impossible for them to get into the feed, thus making it an absolutely sanitary feeder. Top rod removable for filling and cleaning. Ends riveted and buried to brackets. The strongest and best Chick Feeder ever placed on the market. Perfection as a sour milk feeder.

Price List

Made in Three Sizes

10-inch. Shipping weight, 15 ozs.	\$ 0.25
15-inch. Shipping weight, 19 ozs.	.30
20-inch. Shipping weight, 23 ozs.	.35

With Rain Top add 10 cents to list and 7 ozs. to weight.

F. O. B. Baltimore, Md.

Can be sent Parcel Post—add postage for zone.

THE APACO POULTRY FEEDER

Same mechanical features which have proven so successful in the Norwich Automatic, but of the hanging type. Designed for the small breeder or "backyarder," but not recommended for the commercial plant owing to swaying motion, present in all hanging feeders, if kept constantly in action by larger flocks. Rotary action, complete with the all important adjustable valve for regulating feed discharge, and guaranteed the best automatic feeder on the market at its price.

Made in one size only, 12-qt. capacity. Price, \$1.00. Shipping weight, 5 lbs. F. O. B. Baltimore, Md. Can be sent by Parcel Post—add postage for zone.



Apaco Feeder

Dec. 8th, 1915.
Gentlemen: I have been using your Norwich Automatic Feeders and Fountains in all of my pens for several years. This season I have put in some of your Norwich Dry Mash Hoppers and I must say that I am more than pleased with all three of these machines. It does away with a great deal of labor, and it really makes the feeding of poultry a pleasure. Yours truly,
J. M. ROBBINS, Fallston, Md.

Riderwood, Md.

Gentlemen: I will send you my check the first of the month for the two No. 1 Norwich Automatic Feeders. Enter my order and ship at once one No. 2 feeder and one Norwich Automatic Airlock Fountain. These two articles are fine. They make poultry keeping 100 per cent easier. Yours truly,
— GEORGE F. ROBERTSON.



THE NORWICH AUTOMATIC AIR-LOCK FOUNTAIN

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning about once in three months only. Guaranteed frost proof to ten degrees below zero, and has been operated at twenty-eight below without being affected. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

Made in one size only, 5 gallons capacity. Shipping weight, 17 lbs.

Price List

Complete with Burner Base \$3.00
Without Burner Base.....2.00

F. O. B. Baltimore, Md. Can be sent Parcel Post—add postage for zone.

Irvington, Sept. 15th, 1913. Gentlemen: I certainly am pleased with the Mandy Lee Incubator that you sold me. I have two other makes, but they cannot be compared with the Mandy Lee. Yours Truly,
VICTOR NOLL.



Without Rain Coat



With Rain Coat

THE NORWICH AUTOMATIC DRY MASH HOPPER

The problem of automatic dry mash feeding is completely solved in this wonderful machine. Operated with automatic vibrator rods, clogging is impossible, while the construction of the feed basin eliminates all waste. There is only three-quarters of an inch of mash in the bottom of the basin, the twenty quarts supply being completely protected from the dust and dirt of the house. Mash always fresh and clean and always the same amount before the bird is.

Price List

Made in one size only, 20 quarts capacity.
Without Rain Guard, shipping weight, 8 lbs. \$2.00
With Rain Guard, shipping weight, 11½ lbs. 2.75
F. O. B. Baltimore, Md. Can be sent Parcel Post—add postage for zone.

Atsatt Chick Feeder. — Very serviceable; galvanized iron; protected top to keep chicks out. Price, 25c, wgt. 1 lb.



SANITARY FOUNTAINS AND HOPPERS FOR POULTRY



Fig. 3

"Peerless" Drinking Fountain keeps the water clean and pure. 1-qt., brooder size, 30c; 5-qt., 60c; 10-qt., 85c; 5-qt. size with a heater (Fig. 2), to keep water from freezing, \$1.50; 10-qt., \$2.00; 5-qt. Heater alone, \$1.00; 10-qt. Heater alone, \$1.26.

Weights on Peerless Goods: 5-qt., 3 lbs.; 10-qt., 4 lbs.; 5-qt. with Heater, 4 lbs.; 10-qt. with Heater, 6 lbs.



Fig. 2

Felker's Lug-a-Jug—And have a practical Drinking Fountain for your poultry for thirty-five cents. It consists of a frame and pan to be used in connection with any gallon jug, and will make a perfect drinking fountain. Price, 35c each. Weight 2 lbs.

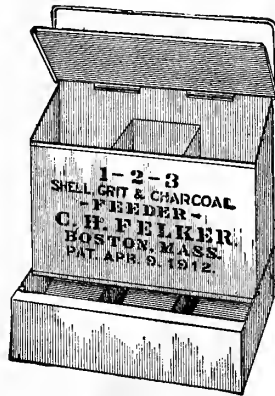
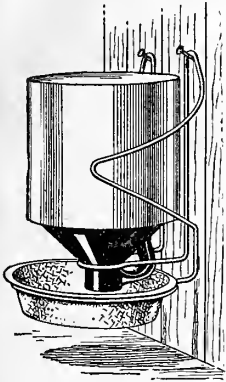
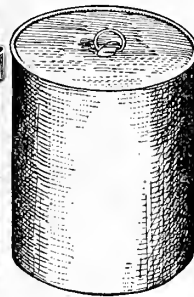


Fig. 1

Felker's "1-2-3" Poultry Feeder—Fig. 1. For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator in one end; three kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, 75c; small size, 50c. Weight, 5 lbs.

Felker's No. 24 and No. 12 Poultry Feeder—A practical dry mash feeder. Can be used for any kind of grain; designed to hang on the wall. Will not waste the grain and will do as satisfactory work as any high-priced feeder. No. 24, size 24 in. long, 50c, 3 lbs.; No. 12, size 12 in. long, 35c, 2 lbs.

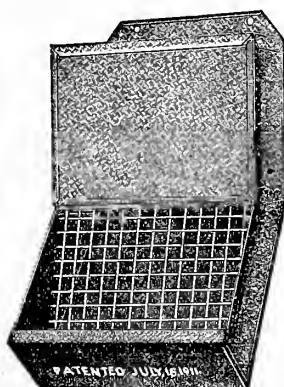


Felker's Duplex Wall Fountain. A big improvement over the old style Wall Fountain. Made in two pieces, as per illustration, out of galvanized iron. Easy to clean, dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. Price, 5-qt. size, 60c, 3 lbs.; 10-qt. size, 85c, 4 lbs.

Sexton's Dry Feed Hopper—Easy to fill and no waste. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust-proof. No. 1, poultry size, \$1.00 each. Weight 7 lbs.



Closed



Open

MOE'S SANITARY POULTRY DRINKING FOUNTAIN

REMOVE COVER AND FILL FROM TOP

(Patented)

The Most Popular Poultry Fountain on the Market.

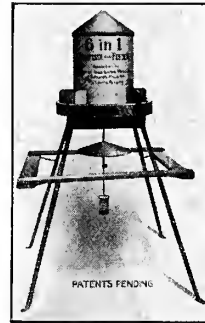
Fill from the Top.

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER.

Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. Sanitary and humane. Manufactured in three sizes:

No. 1, 1-gallon capacity \$1.25
No. 2, 2-gallon capacity 1.75
No. 4, 4-gallon capacity 2.25

Write for catalogue of Moe's Sanitary Drinking Fountains for Poultry, Pets and Porks.



The "6-in-1" Feeder. Is a large hopper supported on four strong iron legs and designed to keep constantly before chickens all the food necessary for them. Connected with the central hopper (that for mixed grain) is an "agitator" loaded with whole corn as bait. When the fowl picks at the bait, a small quantity of mixed grain falls on the deflector, and is scattered widely in the litter on the floor. Scratching vigorously for grains, the hens get just the exercise they need.

The compartments for dry-mash, meat, oyster-shell, grit, and charcoal or any other combination, of course are arranged so that the materials flow readily into outside compartments within easy reach of the hens on the perch. The perch is strongly constructed and completely surrounds the feeder. The outer compartments are walled in such a way as to make impossible mixing or

waste of foods. The hens move around the perch, eating from one compartment after another and so balancing their ration. Price, 40-qt., \$4.75; 20-qt., \$3.75.

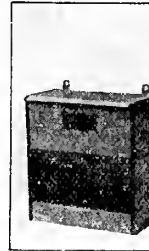


Fig. 4

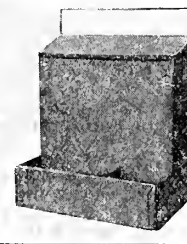


Fig. 5



Fig. 6

Straight Front Dry Hood Hopper—Fig. 5. At least as good as any other straight-front hopper made, and lower in price. Perfectly straight front, which causes the contents to feed readily. Lip in front. Wire bars to keep the fowls from wasting food. Two compartments. Price, 60c. Weight, 4 lbs.

Round Bottom Grit and Shell Box—Round bottom—a feature absolutely new to grit and shell boxes. No clogging of grit and shell in the corners. Easily the most satisfactory grit and shell box ever placed on the market. Price, 50c and 75c. Weight 3 lbs. Fig. 6.

Rectangular Grit and Shell Boxes. Liked by many because dust and straw cannot easily get into the trough. Price 50c. Weight 3 lbs.

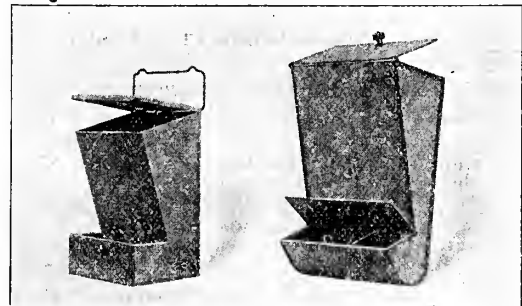


Fig. 9

Fig. 10

Round Bottom Dry Food Hopper—Fig. 10. The hopper you will eventually buy. Sure to replace all other makes of dry food hopper. Owing to the rounded bottom, dry mash and beef scrap feed readily and never clog. Two compartments. Price, 65c. Weight 4 lbs.

Slant Front Dry Food Hopper—Fig. 9. Heavier and stronger than most of its competitors of the slant-front variety. Price, 65c. Weight 4 lbs.

SANITARY AND UP-TO-DATE FOUNTAINS

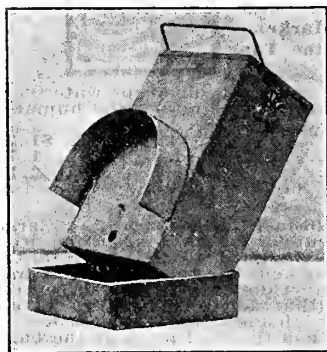


Fig. 8

Drop-Bottom Founts. Fig. 8. 28-gauge galvanized steel. Easiest thing in the world to open and clean. Clasp by which the bottom is fastened fits over the small hole under the hood, preventing slopping of water when the fount is handled. Solid brass hinge rod—no rust.

2-quart, weight 2 lbs. . . \$0.50
1-gallon, weight 2 lbs. . . .70
2-gallon, weight 4 lbs. . . .90

Two-Piece Drink Founts. Black iron, galvanized after fount has been completed. This assures a smoother, better looking fountain and keeps the edge at the top from rusting. When the galvanizing is done first, turning the edge cracks it and makes it liable to rust. We can also furnish these with flat top, price same. Price, 1-qt., wgt. 1 lb., 20c; 2-qt., wgt. 2

lbs. 25c; 4-qt., wgt. 2 lbs., 35c; 8-qt., wgt. 3 lbs., 50c.

The Nesco Fountain as per illustration Fig. 9. Impossible for chickens or pigeons to roost on same.

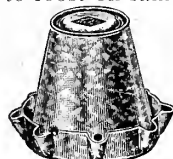


Fig. 9

	Weight	Price
1-qt.	1 lb.	\$0.20
2-qt.	2 lbs.	.25
4-qt.	2 lbs.	.35
8-qt.	3 lbs.	.50

Nesco No. 0 Chick Fount. 10c each, wgt. 1 lb.; \$1.00 per doz., wgt. 4 lbs.



Fig. 10

No. 50 and No. 100. No-Slop Feeder and Fountain combined (as per illustration Fig. 10) to be used with Mason Preserve Jar. Made in two sizes.

Small, 15c each, wgt. 1 lb.; \$1.50 per doz., wgt. 4 lbs.

Large, 20c each, wgt. 1 lb.; \$1.75 per doz., wgt. 6 lbs.

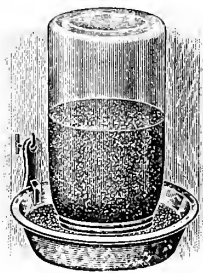


Fig. 10

Wall Founts. All these wall founts have hoods over the troughs, which prevent dirt from settling in the water. Can be hung up on the wall, and for this reason are preferred by many to the two-piece fount, which must be placed on the floor. Price, 1-gallon, 60c, wgt. 2 lbs. 2-gallon, 75c, wgt. 3 lbs.

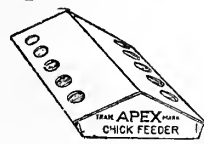
"Apex" Wall Feed Pan. It can be hung high or low out of the way. Easy to clean. Can be used for feed, grit, etc. Price, 35c and 25c. Weight 2 lbs.



"Apex" Single Chick Feeders. Are made with hinged top, provided with small rings to hang on wall if desired. Made in four sizes of three, six, nine and twelve holes. Prices, 25c, wgt. 1 lb.; 35c, wgt. 2 lbs.; 50c, wgt. 2 lbs.; 75c, wgt. 3 lbs.



"Apex" Double Chick Feeders. are made with the readily removable patent slip top. Chicks can feed from both sides. Made in three sizes of six, ten and fourteen holes. Prices, 35c, wgt. 2 lbs.; 50c, wgt. 3 lbs.; 75c, wgt. 4 lbs.



"Apex" Duck Fountain. This fountain has been constructed along the lines of the "Apex" feeders, without, however, having the "Apex" bottom. The duck can readily drink, but cannot get the bill into the water far enough to "wallow." Two sizes, 2 qts., 50c, wgt. 2 lbs., and 4 qts., 75c, wgt. 3 lbs.

Mr. L. M. Webb, No. 3 Hayward Avenue, Arlington, Md., tells us that Park & Pollard's Foods are the only ones to feed.

PIGEON FOUNTAINS, BATH PANS, NESTS, ETC.



(Patented)
Round Drinking Pan affords accommodations for a large number of birds at the same time

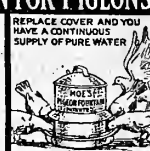


Fig. 2

Drinking surface protected by a hood to prevent contamination. Can be hung up or placed on the floor. No. 1 Moe's Pigeon Fountain, one gallon capacity, \$1.25. Wgt. 4 lbs. **Feed Cups for Exhibition and Training Cages.** Fig. 2. Large size, 20c each, \$1.75 doz., small size 15c each, \$1.50 doz. Wgt. each 1 lb.

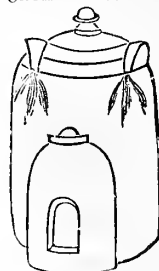


Fig. 1

"Apex" Pigeon Bath Pan. These are of best quality galvanized iron, riveted corners, wired with heavy wire, will not rust, and with ordinary care should last for years. Size, 18 in. square, 4 in. deep, capacity about 5 gal., \$1.00. Wgt. 4 lbs.



Earthenware Poultry and Pigeon Fountains. Fig. 1. Especially adaptable for warm weather, as the water does not get so hot in them. Price, pint size, 20c; qt. 25c; 2-qt. 35c; 4-qt. 45c; 8-qt. 60c.

Indurated Fibre Pigeon Nest. Fills a long-felt want for all squab breeders. Price, 15c each, wgt. 1 lb., \$1.50 per doz., wgt. 9 lbs.; original carton of 3 doz., \$4.00, wgt. 22 lbs.

Magie Egg Tester. Guaranteed to tell fertility of eggs before putting them in incubator or under hen. No poultry man should be without it. Price, \$2.00, postpaid.



X-Ray Egg Tester

X-Ray Egg Tester. Price 25c each. Mailing wgt. 1 lb.

Vermiln - Proof Roost Support. Price 25c pair. Mailing wgt. 2 lbs.

Blue Flame Gas Burner for Incubators. Price 55c each, postpaid.

The X-Ray Pocket Egg Tester and Pocket Flashlight. Fig. 12. Shows

plainer than any other tester the development of the embryo. Gives a surprisingly powerful white light. A sensible, economical article for every day use. With guaranteed long life Tungsten Battery that lasts three times longer than any other battery. In ordinary use it will last for many months. The X-ray has a detachable nickel-plated cup, and can be used with or without the cup as a Pocket Flashlight. The cup acts as a searchlight reflector when left on.

Price, \$1.50, postpaid; complete with battery and nickel-plated cup.

O. K. Incubator and Brooder Lamps. Safest lamp made. With proper care will last for years. No. 1, 5-8-in. wick, complete with burner and chimney, 55c; No. 2, 7-8-in. wick, complete with burner and chimney, 70c; No. 3, 1 1/2-in. wick, complete with burner and chimney, \$1.10. Weight on all 2 lbs.

Galvanized Iron Chimneys. For incubators and brooders. Price, 15c, wgt. on all 1 lb.

"Zero" Brooder Stove. For persons making their own brooder. All complete, \$1.25, wgt. on all 3 lbs.

Incubator Wicks. State sizes wanted. Price, 2 for 5c; doz., 25c, postpaid.

Brooder Wicks. State sizes wanted. Price, 2 for 5c; doz., 25c, postpaid.

Incubator Lamp Burners. For "Mandy Lee," Cyphers, Essex, Prairie State and other makes. Large size, 40c; small size, 30c. Mailing wgt. either size, 1 lb.

Brooder Lamp Burners. For various makes. Price, 40c. Mailing wgt. 1 lb.

"Zenith" Chimneyless Brooder Lamp Burner. Price, 40c. Mailing wgt. 1 lb.

Felt. For Incubator Diaphragms and Brooders. Price, 30 square yard, postpaid.

Weather-Proof Sheet. Valuable for curtains on poultry house fronts. Keeps out rain and drafts, but permits light. Price, heavy grade, 12 yard, postpaid.

We carry various other brooder and incubator repairs.



Zero Brood Stove



Fig. 12

No. 3 O. K. Lamp
10-in. High

I began using your Park & Pollard's Dry Mash which makes them lay; also your Scratch Food, on October 1st, 1913. Am glad to let you know with what results I met from the use of same. My hens started laying on November 10th, 1913, and up to the present time there has only been three days that I failed to get eggs. I also used your Park & Pollard's Chick Feed and Growing Feed with equal success. I take pleasure in recommending all your feeds to my friends. At the present time I have ten hens—Rhode Island Reds, 18 months old—and I am getting three to five eggs daily. Yours truly,
ARCHIBALD S. SHAFER,
 920 Gorsuch Ave., Baltimore, Md.

CHICKEN AND PIGEON LEG BANDS

ALL POSTPAID

Mark your old hens to distinguish them from pullets, so that you can catch the right one to kill at the first grab.

Table of sizes of bands for different breeds. Order by number.



- No. 1. Bantams and small Mediterranean females, etc.
 No. 2. Ordinary Mediterranean and pit game females, etc.
 No. 3. Mediterranean males, American females, pit game males.
 No. 4. American males, medium Asiatic females, turkey hens, etc.

Fig. 5

No. 5. Ordinary large Asiatics and tom turks, etc.

"Spir-Oi" Leg Bands are made of celluloid in different colors; black, white, light blue, dark blue, red, green, yellow, brown, etc. Prices: Three Poultry Sizes to correspond with Nos. 2, 3 and 4 in above list, 12 20c, 25 35c, 50 60c, 100 \$1.00, 500 \$4.00, 1000 \$8.00. Pigeon and Day Old Chick Size, 12 15c, 25 25c, 50 40c, 100 65c, 500 \$3.00, 1000 \$5.25.

"Smith Sealed" Bands—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices: Doz 30c, 25 50c, 60 \$1.00, 100 \$1.50, 250 \$3.50, 500 \$6.50, 1000 \$12.50. Sizes as table above. Sealers, for sealing S. S. Bands—Plain 50c, lettered jaw 60c, nickel plated 65c, lettered jaw 75c.

"Double Clinch" Leg Bands—Made in sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices: Doz. 15c, 25 25c, 50 40c, 100 65c, 250 \$1.50, 500 \$2.75, 1000 \$5.25.

"Challenge" Adjustable Leg Bands—Fig. 4. Similar to Champion. Latest and best adjustable leg band out. Has neatest, most compact and smoothest fastening of any adjustable band on the market. Prices: Doz. 15c, 25 25c, 50 40c, 100 65c, 250 \$1.50, 500 \$2.75, 1000 \$5.25.

Colored Leader—Being adjustable, colored leader leg bands fit any fowl. No worry over ordering a proper size. Prices: Doz. 25c, 25 45c, 50 75c, 100 \$1.25. We will furnish bands numbered 1-12, 1-25, 1-50 or 1-100. The colors are of celluloid, white, pink, red, blue, yellow, green and brown.



Fig. 2

"Champion" Leg Bands—Fig. 2. Adjustable; in two sizes. Large for American, small for Mediterranean breed. Price: Doz. 15c, 25 25c, 50 40c, 100 65c, 250 \$1.50, 500 \$2.75, 1000 \$5.25.

"Climax" Leg Bands—Fig. 5. The original "Spring" wire and clasp band. Prices: Doz. 15c, 25 30c, 50 45c, 100 75c, 250 \$1.75, 500 \$3.25, 1000 \$6.00. Made in sizes as table above.

"Coloroid" Eclipse Poultry Bands—Made in eighteen colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Prices: Doz. 35c, 25 75c, 50 \$1.50, 100 \$2.50.

MOE'S SELF LOCKING LEG BAND

MOE'S SELF LOCKING BAND READY TO BE USED



What Breed.
 In Ordering, State
 for (Three Sizes)
FOR POULTRY



For Mediterranean, Americans and Asiatics.
 PRICES:
 12...\$0.15
 25... .25
 50... .45
 100... .75
 1000... 6.00

Seamless Pigeon Bands—Made in three sizes. Prices: Doz. 30c, 25 50c, 100 \$1.50.
 Open Chick, or Pigeon Bands—Prices: Doz. 15c, 25 25c, 50 40c, 100 65c.

Coloroid Three Number Pigeon Bands—This band is the most visible, most effective and practical numbered leg band made, in colors that can be seen at a distance. Prices: 6 pairs 25c, 12 pairs 50c, 25 pairs \$1.00, 50 pairs \$1.50.

Ideal de Luxe Pigeon Bands—Two colors on each band, all colors for marking mated pairs. Prices: 6 pairs 30c, 12 pairs 60c, 25 pairs \$1.00, 50 pairs \$1.75.



STERLINGWORTH WATER GLASS

Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Buy Sterlingworth Water Glass, the pure, strong kind. It will stand the maximum amount of dilution with water. Don't take chances.

Price, 1 qt. 20c, 1 gal. 50c, 5 gal. \$2.00, 10 gal. \$3.50.

STERLINGWORTH THREE HOUR SULPHUR CANDLES

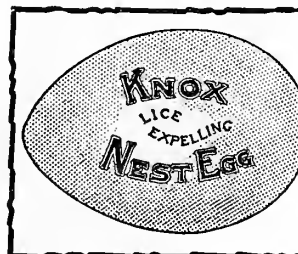


SULPHUR CANDLE

Produce a large quantity of vapor. The wick is easy to light and when "lit" stays "lit."

Price 15c each, mailing weight 1 lb.

NEST EGGS, RAT DESTROYERS, WIRE NESTS, ETC.



A Scientific Triumph!

LICE KILLER and NEST EGGS

Effective Lasting Not Expensive

Superior to any other in Form, Size, Appearance and every way.

They look exactly like natural Plymouth Rock eggs and are excellent for laying hens.

Knox Nest Eggs—Prices, 5c each, doz 50c. Special price on quantities.

Wire Nests—Made good and strong. Price, 15c each, 2 for 25c, \$1.50 doz.

Rat Vicious—Sure rat destroyer. 50c postpaid.



Opal Nest Egg—Prices, 3c each, 2 for 5c, doz. 25c. Special price on quantities. Wt. 1 doz., 1 lb.

Young's Rat Destroyer—Don't suffer with the damaging rats. We sell this destroyer like all our other merchandise, on the money back plan. Get your money back if it does not drive every rat off the place. Price 25c, express collect. Cannot be sent by mail.

Rat Corn—Per can 15c, 25c, 50c and \$1.00. Kills the rats in your poultry yard without odor. "It mummifies them." Postpaid.

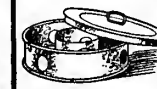
Lightning Poultry Bits—To stop feather pulling instantly. Price 10c. Fig. 4. Postpaid.



Fig. 4

MOE'S RAT DESTROYER

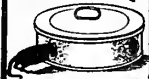
REMOVE COVER TO BAIT



(Patent Pending)

Insures the safety of your fowls while poisoning the rats and mice in your poultry yard.

NONE BUT RODENTS CAN REACH POISON



A boon to every poultry raiser. Any poison can be used, but we recommend one that kills them without odor and give one package free with each destroyer. Price \$1.00. Weight 3 lbs.

Poultry Roup Syringe—10c postpaid.



Mehler Scraper—Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. Price 75c.



Philadelphia Poultry Marker—Large and small. Price 25c, postpaid. Fig. 5.

Fig. 5
Poultry Marker—In shape of pliers. Price 25c, postpaid.
Pilling Fowl Catcher—Price 20c, postpaid.

INCUBATOR THERMOMETERS, CAPONIZING SETS, ETC.

ALL POSTPAID

"Tyco's" Incubator Thermometer, No. 5770—Many poultry raisers prefer the standing type of incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Price 75c each.



"Tyco's" Incubator Thermometer, No. 5782—Most popular. Suitable for any incubator. Price 60c.

"Tyco's" Certified Incubator Thermometers, No. 5782—Price \$1.00.

"Tyco's" Brooder Thermometer—Unmounted. Price 40c. Mounted 50c.

"Tyco's" Incubator Hygrometer, No. 5796—Price \$1.50. Extra wicks 10c each.

"Maudy Lee" Incubator Hygrometer—Price \$2.00. Extra wicks 5c each.

"International" Hover Thermometer—Price 50c.

Philadelphia Caponizing Set, In plain box \$2.50.

Philadelphia Caponizing Set, In velvet-lined box \$2.75.

Pilling-Farmer—In velvet-lined box.....\$3.00

Pilling-Special—In velvet-lined box.....4.00

Pilling-Twinning—In velvet-lined box.....4.00

Pilling-Miles—In velvet-lined box.....7.50

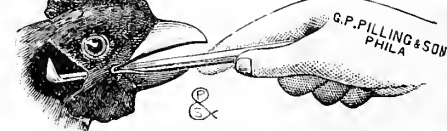


Fig. 7



Fig. 6

Angular Killing Knives—Fig. 7. Price 50c each.

French Poultry Killing Knife—Fig. 6. Price 50c.

French Safe Edge Killing Knife—Price 50c.

All the above postpaid.



ready for the table or market and show you better returns than ever before. As a moulting food for all old stock and a pusher for the developing pullets it is recognized as the best by all poultrymen who have used it. Lb. 3c, 100 lbs. \$2.50.

Overall Dry Mash Feeder, or Fountain—Prices: 1 peck 60c (6 Lay or Bust Bags), 6-qt. size 50c (5 Lay or Bust Bags.)

Park & Pollard Intermediate Chick Feed—Keeping the commercial end of poultry always in mind, we manufacture the "Intermediate" Chick Feed, selling at a less price than Gritless



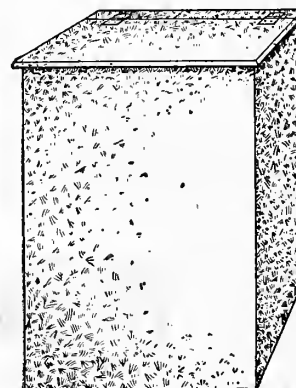
Overall Chick Feeders

Price: Each 40c. (or 4 Lay or Bust Bags.)

use being put through a special preparatory process that eliminates all the fat, it supplies the newly hatched birds at the crucial age when most needed with animal protein, without the animal fat. Lb. 3c, 100 lbs. \$2.75.

Overall Chick Feeder—Price: Each 40c (or 4 Lay or Bust Bags.)

Park & Pollard Red Ribbon Chick Feed—If you feel you cannot afford Gritless Chick Feed, try our Red Ribbon brand. This will raise more chickens than any other feed except Gritless Chick Feed. It is manufactured just as carefully as our famous Gritless Chick Feed brand, but leaving out the animal food reduces the cost, so that we can sell it at a lower price. Lb. 3c, 100 lbs. \$2.40.



No. 2

Royal Crown Beef Meat (Beef Scrap)—High grade article, guaranteed 50% protein. At a recent test at the Maryland Agricultural College it was found to contain over 60% protein. Price 4c per lb., \$3.00 per 100 lbs.

Crushed Oyster Shell—Important as an egg-shell maker. Price 10c, 10 lbs. 15c, 25 lbs. 25c, 50 lbs. 35c, 100 lbs. 60c. Two sizes, fine and coarse. Special price on quantity.



Fig 1

Storage Can—Fig. 1. Galvanized, deep cover, rat and damp-proof. Excellent for storing grain or dry mash. Capacity 2 bushels. Price \$1.50; square cans holding (Fig. 2) 3 bushels \$3.25.

Charcoal—Aids digestion and promotes health. Fine, Medium, Coarse. Prices, lb. 5c, 5 lbs. 20c, 50 lbs. \$1.00.

Alfalfa Clover—Dustless, short-cut, pure alfalfa, specially prepared for poultry. Prices, lb. 3c, 100 lbs. \$1.75.

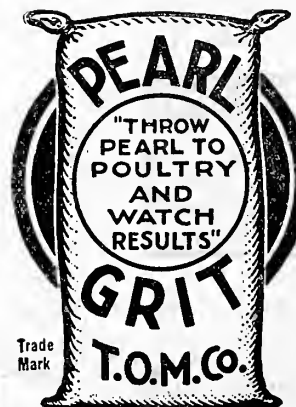
Cracked Bone—Fine, Medium, Coarse. Price, lb. 4c, 100 lbs. \$2.75.

Pearl Grit—For more eggs and healthy fowls use Pearl Grit. It serves a double purpose—grinds, nourishes, strengthens, and makes shell. No. 1 for chicks and pigeons; No. 2, medium poultry; No. 3, large poultry. Price, 5 lbs. 10c, 10 lbs. 15c, 25 lbs. 25c, 50 lbs. 40c, 100 lbs. 75c. Special price on quantity.

"Hen-e-ta" Bone Grits—No other grit or shell is necessary to be fed with it. No. 3 Coarse; No. 2, Medium; No. 1, Fine; No. 4, Superfine. Price, 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$2.25, 500 lbs. \$9.00.

"Red Cross" Health Grit—For pigeons and poultry. Price, 5 lbs. 15c, 10 lbs. 25c, 50 lbs. 90c, 100 lbs. \$1.50.

O. K. Litter—Absorbs the moisture of the droppings; can be kept on the floor for several months. Bale of 175 lbs. \$2.50, lb. 3c, in small quantities.



Trade Mark

POULTRY FEEDS, GRIT, SHELL, ETC.

Park & Pollard Dry Mash—When we tell you our Dry-Mash makes them "Lay or Bust" every time, at all seasons of the year—we mean what we say. It is impossible for a healthy hen to eat our Dry-Mash and not lay. Lb. 3c, 100 lbs. \$2.50. Prices on Feeds subject to market changes.



Overall Dry Mash Feeder or Fountain

Prices: 1 peck, 60c. (6 Lay or Bust Bags) 6-qt. size, 50c. 5 Lay or Bust Bags.)

Park & Pollard Scratch Feed—This mixture is so carefully blended and proportioned that no fear of overfeeding need be entertained. Scratch Feeds are usually made the dump of refuse grains that cannot be sold in the open market, and when making comparison of prices, keep in mind that every kernel of grain in our feed is sweet, and that there are no sweepings or weed seed contained. 5 lbs. 15c, 10 lbs. 25c, 100 lbs. \$2.25. The great 1912 Baltimore Poultry and Pigeon Show was fed with this Food. To prove its worth it was fed again in 1914.

Park & Pollard Growing Feed—Stuff your youngsters with it and your chickens will always be

STRAIGHT POULTRY AND PIGEON FOOD



Per lb.	Per lb.
Whole Corn.....2½c	Linseed Meal.....4c
Cracked Corn.....2½c	Kaffir Corn.....3c
Corn Chop.....2½c	Canada Peas.....5c
Wheat.....3c	Buckwheat.....3c
Oats.....3c	Cracked Rice.....5c
Barley.....3c	Hemp Seed.....6c
Bran.....2½c	Millet Seed.....5c
Middlings.....2½c	Hulled Oats.....5c
Gluten Meal.....4c	Sunflower Seed.....10c
Cotton Seed Meal.....4c	Flax Seed.....12c
	Roiled Oats.....5c

Prices on larger quantities furnished on application.

SONG BIRD SUPPLIES

Lb.	Lb.
Canary Seed.....10c	Sunflower Seed.....10c
German Rape.....10c	Hemp Seed.....10c
	Maw Seed.....35c

Special price in quantities.

Cuttie Fish Bone—Price, 2 for 5c, lb. 50c.

"Gloria" Song-Restorer Food—This is an important article which is scientifically proportioned and has been fed with great success. Price, lb. 15c.

For-get-me-not, Wild Bird, Seed Mixture—Feed the little songsters in the winter time. 10c lb.

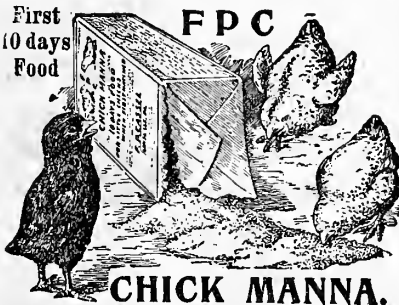
Park & Pollard Bird Lice Powder—A most effective remedy for killing lice and fleas on birds, cats, dogs, monkeys, rabbits, etc. Price, 25c.

P. & P. Superior Bird Tonic—Remedy for loss of song, moulting out of season, colds, etc., for Cage Birds. Price, 25c. Liquid, cannot be sent by mail.

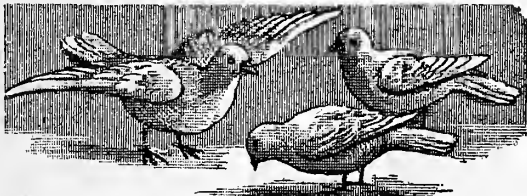
Wren Houses—Nicely finished of seasoned wood, set up 35c each, not set up 25c. Parcel post weight of either, 2 lbs.

Clay Wren Box—15c each. Weight 2 lbs.

Chick Manna—Every poultry raiser should understand the value of this feed for starting the chicks and turkeys strong, vigorous, healthy and well developed. It is specially prepared for bringing the frail little creatures through a most critical period—the first 10 days—by regulating and strengthening their fine and tender organs, and thereby being better able to withstand the disease they are subject to. Is a complete food in every respect, requiring nothing more for the first ten days than chick manna. Prices, lb. pkg. 10c, 3-lb. pkg. 25c; 5-lb. pkg. 40c, 15-lb. pkg. \$1.10, 60-lb. bulk case \$4.20, 100-lb. bulk case \$7.00.



CHICK MANNA.



Mixed Pigeon Food—Composed of re-cleaned, sound and sweet grains and seeds in a great variety. The 1912 and 1914 Baltimore Poultry and Pigeon Show was fed with this food. Price, lb. 3c, 100 lbs. \$2.75.

Tick Beans—A highly nutritious food for Pigeons. Price, lb. 5c, 100 lbs. \$3.50.

Tobacco Stems—Price, 3c lb., 100 lbs. \$1.50. Special price on quantity.

RELIABLE POULTRY REMEDIES, CONDITIONERS, INSECT DESTROYERS, DISINFECTANTS, ETC.

Fox's White Diarrhoea and Cholera Remedy and Conditioner—Greatest conditioner and bowel regulator every put on the market for Chickens, Pigeons, Turkeys, Ducks, Geese, etc 25c and 50c bottles.

CONKEY'S REMEDIES

Conkey's Buttermilk Starting Food—For Baby Chicks, to be fed for 21 days. 1 lb. 10c, 3 lbs. 25c, 6½ lbs. 50c, 100 lbs. \$5.75.

Mr. H. H. Seabrook, Sylverside, Md., says: "Your Regal Oats Sprouter is fine, produces quickly and does not mold the grain."

Roup Cure 25c; postpaid, 50c and \$1.00
 Bronchitis Cure.....postpaid, .50
 Cholera Cure.....25c; postpaid, .50
 Gape Remedy.....50c; postpaid, .60
 Limber Neck.....50c; postpaid, .55
 Scaly Leg.....25c; postpaid, .30
 Healing Salve.....25c; postpaid, .30
 Poultry Tonic.....25c; postpaid, .30
 Chickie Pox.....50c; postpaid, .60
 Worm Cure.....50c; postpaid, .50
 Poultry Laxative.....25c; postpaid, .30
 Head Lice Ointment 10c; postpaid, .25
 Black Head Remedy.....postpaid, .50
 White Diarrhoea Remedy.....postpaid, .50
 Rheumatic Cure.....50c; postpaid, .55
 Lice Powder, not postpaid, 10c, 25c, 50c. and \$1.00.
 Laying Tonic—Express not paid, 25c and 50c.
 Lice Liquid—Express not paid. Qt. 35c, 2 qts. 60c, 4 qts. \$1.00.
 Noxide Disinfectant—Express not paid. Pt. 35c, qt. 60c, 2 qts. \$1.00, gal. \$1.50.
 Oculum—Great tonic and remedy for most all diseases in poultry. 50c and \$1.00 bottles.
 Chas. T. Cornman's Condition Tablets—For Poultry and Pigeons. Price, 50c postpaid.
 Going Light Tablets—Price, 50c postpaid.

Lee's Germozone—The best tonic for poultry of all kinds. Cures roup, cholera and other poultry diseases. 12-oz. bottle 50c, in tablet form postpaid 50c.

Lee's Egg Maker—One of the best egg producers and tonic, 25c pkg., shipping weight 3 lbs., 50c pkg., shipping weight 6 lbs., pails \$1.25 and \$2.50.

Lee's White Diarrhoea Remedy—Price, 12-oz bottle 50c, liquid.
Lee's Lice Killer—Qt. 35c, 2 qts. 60c, 1 gal. \$1.00. Liquid.

Lee's Insect Powder—For poultry. Price 25c and 50c pkg., shipping weight 2 and 4 lbs., respectively.

French Poultry Mustard—Will increase egg production. 1½-lb. box 35c, 3-lb. box 65c, 5-lb. box \$1.00, 10-lb. box \$2.00, 25-lb. pail \$5.00.

"Zenoleum" Disinfectant Lice Killer and Animal Dip—1 gallon makes 100 gal. of fluid. 8 oz. 25c, 1 qt. 50c, 1 gal. \$1.50. Liquid.

"Chemo"—Destroys all insects. It is stainless; can be sprayed direct on white poultry. A thorough disinfectant. The great 1913-14 Baltimore Poultry Shows were disinfected with "Chemo." 1 qt. 60c, ½ gal. \$1.00, 1 gal. \$2.00, 5 gals. \$9.00, 10 gals. \$17.50.

"American" Turkey Powder—It is sure to raise your young turkeys to healthy birds. For poultry and pigeons. Shipping weight 2 lbs. Price 25c.

Model Salt Cat Brick—For poultry and pigeons. Shipping weight 2 lbs. Price 15c.

Whitting's Roupene—Cures roup, diphtheritic roup, colds, etc. Liquid. Price, \$1.00 and 50c bottles.

Margaret Mahaney Black Head Remedy—For turkeys; sure cure. Price, \$1.00 postpaid.

Mrs. Haven's Baby Chick Remedy—Guaranteed to cure white diarrhoea. Price, 25c; by mail 30c.

Dr. Hess' Poultry Pan-a-ce-a—Guaranteed tonic and egg producer. 1½ lb. pkg. 25c, 6-lb. pkg. 60c, 12-lb. pkg. \$1.25, 25-lb. pail \$2.50.

Dr. Hess' Instant Louse Killer—Shipping weight 2 lbs. Price, 25c pkg.



Pratt's REMEDIES

Pratt's Poultry Regulator—In use by the most successful poultry raisers everywhere. Pkg. 10c, 25c and 50c, shipping weight 1, 2 and 5 lbs., respectively. 12-lb. pail \$1.25, 25-lb. pail \$2.50.

Pratt's Roup Remedy—Pills or powder. Price 25c, 50c and \$1.00, postpaid.

Pratt's White Diarrhoea Remedy—Price 25c and 50c, postpaid.

Pratt's Cholera Remedy—Price 25c and 50c, postpaid.

Pratt's Gape Remedy—Price 25c and 50c, postpaid.

Pratt's Bronchitis Remedy—Price 25c and 50c, postpaid.

Pratt's Chicken Pox Remedy—Price 25c and 50c, postpaid.

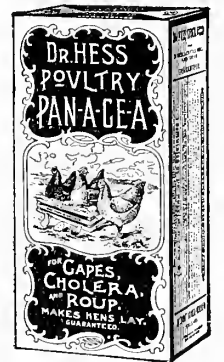
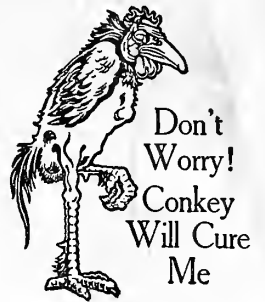
Pratt's Condition Tablets—Price 25c and 50c, postpaid.

Pratt's Head Lice Ointment—Price 10c and 25c, postpaid.

Pratt's Scaly Leg Remedy—Price 25c and 50c, postpaid.

Pratt's Poultry Disinfectant Lice Killer and Dip—1 qt. 35c, 2 qts. 60c, 1 gal. \$1.00. Liquid.

Pratt's Lice Killer—Powdered form. Price 10c, 25c and 50c, shipping weight 1, 2 and 4 lbs., respectively.



PRATT'S BABY CHICK FOOD



Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratt's Baby Chick Food. It is a scientific food ration to be fed for the first two weeks. Put up in 10c, 25c and 50c pkgs., shipping weight 2, 4 and 7 lbs., respectively; also 50-lb. and 100-lb. bags \$3.00 and \$5.75.

Calsino Poultry Restorative—Price 25c pkg., shipping weight 2 lbs. 50 lbs. \$5.00.

Calsino Gape Cure—Sure cure. Price 25c, by mail 30c.
Calsino Lice Powder—Price 10c and 25c pkg., shipping weight 1 and 2 lbs., respectively.

Baltimore, Md., January 20, 1914.

The Meyer-Stisser Co., Baltimore, Md.
Gentlemen: The Poultry and Pigeon Feed furnished by you for our Exhibition January 6th to 10th, 1914, gave complete satisfaction and was fully up to the sample submitted. A number of exhibitors have already written that their fowls came back in excellent condition, and such reports are very gratifying to our officials.

Very truly yours,

G. O. BROWN, Secretary,
Maryland Poultry and Pigeon Association.

DOG FOODS AND REMEDIES, ETC.



Corner's Ready-to-Fed Cooked Dog Food—The best dog food on the market, in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this food with entire satisfaction. Send for special booklet. Price of food 5c lb., 100 lbs. \$4.00.

Spratt's Meat Fibrine Vegetable Dog Cakes—A staple food for all breeds; too well known to be described. Price, 1 lb. 10c, 3 lbs. 25c, 10 lbs. 75c, 100 lbs. \$6.75.

Spratt's Puppy Biscuits—The standard puppy food. 1 lb. 10c, 3 lbs. 25c, 10 lbs. 75c, 100 lbs. \$7.00.

Spratt's Dog Remedies—A remedy for each disease. Send for special booklet.

Spratt's White Dog Soap—Death to fleas. Price 25c, mailing weight 1 lb.

Vermilax—Guaranteed worm expeller and tonic. Price, bottle 50c and \$1.00. Liquid.

Vermilax Dog Remedy—A remedy for each disease. Send for special booklet.

Vermilax Dog Soap—25c cake, mailing weight 1 lb.

Cedar Bedding—For dogs, cats, etc. Made of cedar wood shavings. Sanitary and proof against fleas and other vermin. 25-lb. bale, \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

WEIGHT OF AGRICULTURAL SEEDS
PER BUSHEL, AND QUANTITY
USUALLY SOWN PER ACRE

Weight per Bushel.	Quantity per Acre.
20 lbs. Roland Park L a w n	
14 lbs. Kentucky Blue	2½ bu.
32 lbs. Red Top, fancy	50 lbs.
14 lbs. Orchard Grass	36 lbs.
24 lbs. English or Perennial Rye	42 lbs.
22 lbs. Meadow Fescue	40 lbs.
12 lbs. Sheep Fescue	30 lbs.
7 lbs. Meadow Foxtail	30 lbs.
21 lbs. Crested Dog's Tail	25 lbs.
19 lbs. Wood Meadow	30 lbs.
16 lbs. Rhode Island Bent	30 lbs.
10 lbs. Tall Meadow Oat	50 lbs.
45 lbs. Timothy, alone	½ bu.
60 lbs. Timothy with other grasses	¼ bu.
60 lbs. Alsike, alone	15 lbs.
60 lbs. Alfalfa, or Lucerne	20 lbs.
60 lbs. White Clover, alone	10 lbs.
60 lbs. White Clover, with other grasses	3 lbs.
60 lbs. Crimson Clover	15 to 20 lbs.
32 lbs. German Millet	50 lbs.
50 lbs. Hungarian Millet	50 lbs.
60 lbs. Red Clover	15 lbs.
Red Clover	4 lbs.
Timothy	7 lbs.
Red Top	4 lbs.
together for one acre.	

Wheat per bushel	Quantity per acre
60 lbs. Wheat, broadcast	1½ to 2 bu.
Wheat in drills	1½ to 2 bu.
56 lbs. Rye, broadcast	1½ to 2 bu.
32 lbs. Oats, broadcast	2 to 3 bu.
48 lbs. Sorghum, drills	½ bu.
Sorghum, broadcast	1 to 2 bu.
56 lbs. Field Corn, in hills	8 qts.
56 lbs. Corn, for soiling	1 to 2 bu.
60 lbs. Vetches, broadcast	1 bu.
48 lbs. Barley, broadcast	2 bu.
Broom Corn, in hills	.6 to 8 qts.
48 lbs. Buckwheat, broadcast	1 bu.

PRICES ON UTILITY EGGS FOR
SETTING OR INCUBATORS

Eggs of Single Comb White Leghorn, Barred Rock, Rhode Island Red, Rhode Island Whites. Both Single and Rose Comb, and White Wyandottes, we can furnish as low as \$1.50 per setting of 15; \$6.00 per 100, f. o. b. our store.

PRICES ON SPECIAL MATING EGGS
AND STOCK

Rhode Island Whites, Black Minorcas, Andalusians, Anconas, Houdans, Barred, White, Buff and other Plymouth Rocks, Single and Rose Comb Rhode Island Red, Black Langshan, Wyandottes, Buff, White and Black Single Comb Orpington, White, Brown and Buff Single Comb Leghorns.

Eggs—Thoroughbred Stock, 15 eggs.... \$2.00

Thoroughbred Stock, 100 eggs.... 8.00
Exhibition Stock, 15 eggs.....3.00
Exhibition Extra Quality, 15 eggs. 5.00

Stock—

Thoroughbreds, each.. from \$2.00 to 3.00
Thoroughbreds, choice, each.....4.00
Exhibition Birds.....\$3.00 to \$25.00

We can furnish most all other varieties of poultry at the above figures, but must always have a week or ten days to furnish stock wanted.

White Pekin and Indian Runner Duck Eggs, \$1.50 and up per setting of 15; \$10.00 per 100.

Prices on Turkey, Geese, Guinea and Other Eggs furnished on application.



From our Mammoth Hatchery we can supply Baby Chicks of the leading varieties at very low prices and at short notice. Let us quote you.

The New Parcel Post rates, effective January 1st, 1914, are as follows: Parcels, 4 ounces or less, are available at the rate of one cent for each ounce or fraction thereof, regardless of distance.

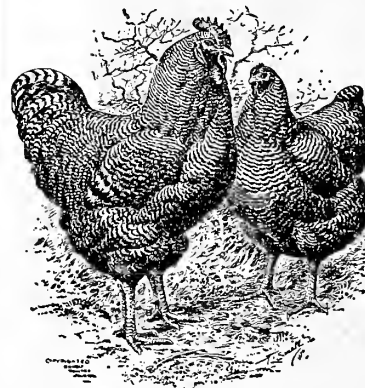
Liquids and Poisons cannot be sent by Parcel Post.
Size of package that can be sent by Parcel Post cannot be over 72 inches in length and girth combined.

	Local	Miles 50-150	Miles 300	Miles 600		Local	Miles 50-150	Miles 300	Miles 600
1 lb.....	05	05	06	07	11 lb.....	10	15	26	47
2 lb.....	06	06	08	11	12 lb.....	11	16	28	51
3 lb.....	06	07	10	15	13 lb.....	11	17	30	55
4 lb.....	07	08	12	19	14 lb.....	12	18	32	59
5 lb.....	07	09	14	23	15 lb.....	12	19	34	63
6 lb.....	08	10	16	27	16 lb.....	13	20	36	67
7 lb.....	08	11	18	31	17 lb.....	13	21	38	71
8 lb.....	09	12	20	35	18 lb.....	14	22	40	75
9 lb.....	09	13	22	39	19 lb.....	14	23	42	79
10 lb.....	10	14	24	43	20 lb.....	15	24	44	83
21 lb.....	16	25	36	47	31 lb.....	31	40	51	62
22 lb.....	17	26	37	48	32 lb.....	32	41	52	63
23 lb.....	18	27	38	49	33 lb.....	33	42	53	64
24 lb.....	19	28	39	50	34 lb.....	34	43	54	65
25 lb.....	20	29	40	51	35 lb.....	35	44	55	66
26 lb.....	21	30	41	52	36 lb.....	36	45	56	67
27 lb.....	22	31	42	53	37 lb.....	37	46	57	68
28 lb.....	23	32	43	54	38 lb.....	38	47	58	69
29 lb.....	24	33	44	55	39 lb.....	39	48	59	70
30 lb.....	25	34	45	56	40 lb.....	40	49	60	71
31 lb.....	26	35	46	57	41 lb.....	41	50	61	72
32 lb.....	27	36	47	58	42 lb.....	42	51	62	73
33 lb.....	28	37	48	59	43 lb.....	43	52	63	74
34 lb.....	29	38	49	60	44 lb.....	44	53	64	75
35 lb.....	30	39	50	61	45 lb.....	45	54	65	76

PRACTICAL POULTRY BOOKS

Practical Poultry Books.
(All postpaid) The Orpington, 75c; Rhode Island Reds 75c; Successful Poultry Keeping, \$1.00; Artificial Incubating and Brooding, 50c; The Plymouth Rocks, Wyandottes, Leghorns each \$1.00; Asiatics, 50c; Eggs and Egg Farms, 50c; Poultry House and Fixtures, Chick Book, 50c; Ducks and Geese 75c; Turkeys, Their Care and Management, 75c; Bantam Fowl, 50c; Reliable Poultry Remedies, 25c; Egg Record and Account Book, 25c; Million Egg Farm Book, \$1.00; Eggs the Year Around, 15c.

The Standard Book of Perfection—Everybody who raises poultry should have one of these books. Price, \$2.00, mailing weight 2 lbs.



Poultry Guide Post—The beginner in poultry keeping needs a plainly written hand-book telling what to do, how to do, and when to do it. The Poultry Guide Post is for beginners. Your money back if you don't find it better than we recommend. Price, \$1.00, postpaid; or 10 Lay or Bust Bags.

Mr. A. E. Warner, of 1009 Madison Avenue, a poultry judge of international fame, says: "Your Park & Pollard Growing Food is the greatest food I have ever used for developing growing chickens. I have tried most all kinds that are manufactured."

**CATALOGUE
ORDER SHEET**

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The Meyer-Stisser Co. endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept goods on the above conditions, they can be returned to us within ten days.

SPECIAL NOTICE—It is always best to write letters and inquiries on a separate memorandum. NOT on order sheets.

[illegible]

We would appreciate your writing below the names of your friends or neighbors who might be interested in having our Catalog.

[illegible]

PLANTING CALENDAR

FLOWERS

MARCH

Plant Indoors	Set out
Ageratum	May 1
Asters	May 10
Carnation, Maguerite	May 1
Celosia, Cockscomb	May 1
Cobaea scandens	May 1
Heliotrope	May 10
Hollyhock, Annual	May 10
Lobelia	May 1
Pansy	May 1
Petunia	May 1
Salvia	May 1
Snappdragon	May 15
Stocks (Gilliflower)	May 15
Verbena	May 1
Wallflower	May 1

APRIL

All those listed for March may also be planted in April, and, in addition, the following:

Sow Indoors	Set out
Alyssum	May 1
Calendula	May 1
Coleus	May 15
Cosmos, Late	May 1
Dahlias	May 1
Delphinium Chinese	May 15
Gourds, Ornamental	May 1
Helianthus Sunflower	May 1
Marigold	May 1
Mignonette	May 1
Nicotina	May 1
Phlox Drummondii	May 1
Poppy, Iceland	May 15
Ricinus (Castor Oil Plant)	May 10
Salpiglossis	May 10
Scabiosa	May 10
Vinca Rosea	May 10
Zinnia	May 1
Sow Outdoors	
Sweet Peas	
Nasturtium	

MAY

This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in:

Sow Outdoors	
(Do not require transplanting)	
Sweet Alussum	
Calendula	Calliopsis
Candytuft	
Centurea (Bachelor's Button)	
Chrysanthemum, Annual	
Clarkia elegans	
Cosmos, Early	
Delphinium Chinese	
Dianthus (Chinese Pinks)	
Eseholzia (California Poppy)	
Gaillardia (Blanket Flower)	
Godetia	
Ornamental Gourds	
Helianthus cucumerifolius (Miniature Sunflower)	
Hunemannia fumariaefolia	
Larkspur, Annual	
Lupinus, Annual	
Marigold	Mignonette
Morning Glory	
Nasturtiums	Petunia
Phlox Drummondii	
Poppy	Portulaca
Salpiglossis	Scabiosa
Verbena	Zinnia
(Should be transplanted)	
Asters	Balsam
Celosia (Cockscomb)	
Cosmos, Late	Dahlias
Marigold	Mignonette
Nicotiana	Ricinus

BULBS AND TUBEROSE ROOTS

MAY

Plant Outdoors	
Begonias	Montbretias
Caladiums	Paeonies
Cannas	Gladioli
Dahlias	Tuberoses

JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till September.

To Remain Where Sown	
Alussum saxatile compactum	
Anthemis Kelwayi	
Aquilegia (Columbine)	
Asters, New England	
Coreopsis	

JUNE—Continued

To Remain Where Sown—Cont'd.	
Campanula (Bluebells)	
Candytuft, Sempervirens	
Hibiscus	Lupins
Poppies, Iceland	
Poppies, Oriental	
Sweet William	
Valerian (Garden Heliotrope)	
To be Transplanted	
Canterbury Bells	
Delphinium (Larkspur)	
Digitalis (Foxglove)	
Caillardia grandiflora	
Hollyhocks	
Pyrethrum	

JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring.

Variety.	
Bellis (English Daisies)	
Pansies	
Myosotis (Forget-me-not)	

VEGETABLES

MARCH

Peas, Early Smooth	Onion Sets
Plant Indoors	Set out
Artichoke, Globe	June 1
Cabbage, Early	May 1
Cauliflower, Early	May 15
Celery	June 1
Eggplant	May 15
Kohlrabi	May 1
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1

APRIL

All seeds mentioned in the March table can be started in April, and also the following:

Plant Indoors	Set out
Asparagus, Seeds	June
Beets	May
Brussels Sprouts	June
Cabbage, Late	June
Cauliflower, Late	June
Plant Outdoors	
Asparagus, Roots	
Beets	Carrots
Cress	Kohlrabi
Lettuce	Mustard
Onion Seed	Onion Sets
Parsley	Farsnip
Peas, Early Wrinkled	

APRIL—Continued

Plant Outdoors—Continued	
Potatoes	Radish
Rhubarb, Roots	Swiss Chard
Squash	Turnip
Set out	Lettuce started indoors in March.

MAY

Plant Outdoors	
Beans, Bush	Beans, Pole
Corn, Sugar	Cucumber
Muskmelon	Watermelon
Okra	Peas, Late
Pumpkin	Squash
All the seeds mentioned in the April table may also be sown in May.	
Set out early Cabbage, early Cauliflower and Tomato plants started indoors in March and April.	

JUNE

Plant Outdoors	
Beans, Late Bush	
Beans, Late Pole	
Set out globe artichokes, Brussels sprouts, late cabbage, cauliflower, celery, eggplants, and peppers which have started indoors.	
Plant Swiss chard, sugar corn, lettuce, late peas, radishes nad turnips for late crops.	

TABLE OF CONTENTS

SEEDS, BULBS, PLANTS, TREES, Etc.		Calf Meal.....	49	Hose Reels.....	42	Poultry Remedies.....	61, 62
Bedding Plants.....	30	Calf Weaners.....	49	Hose Washers.....	42	Poultry Thoroughbred	62
Begonia Bulbs.....	28	Caponizing Sets.....	60	Hotbed Glass.....	42	Poultry Wire.....	50
Berries.....	32, 33	Chains.....	42	Hotbed Mats.....	42	Powder Guns.....	36, 37
Butterfly Bush.....	30	Charcoal.....	60	Hotbed Sash.....	42	Prunning Knives.....	41
Canna Bulbs and		Chick Boxes.....	55	Hovers.....	52, 53	Prunning Saws.....	41
Plants.....	28	Chick Manna.....	61	Hygrometer.....	60	Prunning Shears.....	41
Chrysanthemum		Churns.....	49	Incubators.....	52, 53	Push Cart.....	43
Plants.....	29	Cider Presses.....	52	Incubator Felt.....	58	Putty Bulbs.....	42
Dahlia Roots.....	26, 27	Colony Brooder.....	53	Incubator Lamps.....	58	Pratt's Remedies.....	61, 62
Elephant Ear Bulbs.....	27	Conkey Remedies.....	61	Incubator Wicks.....	58	Raffia.....	42
Evergreens.....	31	Corn Shellers.....	51	Insecticides.....	33, 34, 35	Rakes.....	39
Field Corn.....	16	Cuttle Fish.....	61	Killing Knives.....	60	Rat Destroyers.....	59
Field Seed.....	16, 17, 18, 19	Cutworm Food.....	34	Land Plaster.....	33	Rolling Saucers.....	39
Flower Seeds.....	20 to 26	Cultivators, Garden	46, 47	Lawn Edger.....	37	Roofing Paper.....	50
Fruit Trees.....	32	Cultivators, Horse.....	48	Lawn Mowers.....	45, 46	Roost Supports.....	58
Gladiolus Bulbs.....	28	Cutivator Repairs.....	48	Lawn Rollers.....	45	Root Cutter.....	51
Grape Vines.....	32	Cream Separators.....	49	Lawn Sprinklers.....	37	Row Marker.....	47
Grass Seeds.....	16, 17, 18	Disinfectants.....	61	Lawn Swing.....	43	Rubber Hose.....	42
Hedge Plants.....	30	Dog Foods.....	62	Layor Bust.....	60	Rubber Sprinklers.....	36
Herb Seed.....	7	Dog Remedies.....	62	Lees Remedies.....	61	Rubbish Consumer.....	44
Lawn Grass.....	16	Dropping Board.....		Leg Brands.....	59	Salt.....	33
Maderia Vine Roots.....	27	Scraper.....	60	Lice Killing Machine.....	55	Salt Cat.....	61
Montbretia Bulbs.....	27	Dry Mash Hoppers.....	56, 57, 58	Lime.....	33	Scalecide.....	35
Mushroom Spawn.....	9	Egg Boxes.....	54, 55	Mail Boxes.....	49	Scissors.....	41
Peanuts.....	12	Eggs for hatching.....	62	Marlin.....	42	Scythes.....	39, 40
Perennial Plants.....	29	Egg Tester.....	58	Mattock.....	39	Scythe Stones.....	40
Planting Calendar.....	63	Electric Incubator.....	53	Mole Trap.....	42	Seeders.....	39
Pop Corn.....	19	Exhibition Coop.....	54	Mule Shears.....	41	Seeders Drill and Rill	47
Potatoes.....	12	Farmorgem.....	19	Nest Eggs.....	59	Sheep Manure.....	33
Roses.....	28, 29	Feed Cutters.....	51	Nitrate of Soda.....	33	Sheep Shears.....	41
Shubbery.....	30, 31	Fertilizers.....	33	Norwich Automatic		Shipping Coops.....	54
Tritoma.....	31	Fibre Saucers.....	39	Poultry Appliances.....	56	Shovels.....	39
Tuberose Bulbs.....	27	Fibre Vases.....	38	Oat Sprouters.....	54	Sickles.....	41, 42
Vegetable Plants.....	3, 4, 6, 8, 11, 15	Flower Bed Guard.....	44	Oils.....	49	Snathes.....	40
Vegetable Seed.....	1 to 15	Flower Pots.....	39	Oil Can.....	49	Spades.....	39
Vines, Hardy.....	31	Fly Killers.....	49	O. K. Litter.....	60	Sprayers.....	36, 37
MISCELLANEOUS SUPPLIES		Forks.....	39	Overall Feeders.....	60	Spray Hose.....	36
Alfalfa.....	60	Fox Remedy.....	61	Oyster Shell.....	60	Spray Nozzles.....	36
Animal Regulator.....	49	Fruit Picker.....	42	Pan-a-ce-a.....	61	Steel Post.....	50
Asparagus Buncher.....	42	Garden Line.....	42	Paper Pots.....	38	Storage Cans.....	60
Asparagus Knife.....	42	Garden Reel.....	42	Parcel Post Butter		Sulfocide.....	35
Asparagus Tape.....	42	Mehler Garden Tools.....	40	Boxes.....	55	Sulphur Candles.....	59
Automatic Poultry		Garden Tools Norcross.....	41	Parcel Post Egg Boxes.....	55	Syringes.....	36
Feeders.....	56, 57	Garden Tool Set.....	30	Park and Pollard		Syringe Poultry.....	60
Axes.....	40	Gape Worm Extractor.....	60	Poultry Feed.....	60	Tanglefoot.....	35
Axle Grease.....	49	Gas Burners.....	58	Pigeon Bath.....	58	Thermometers.....	42
Baby Chicks.....	62	Glazing Points.....	42	Pigeon Food.....	61	Thermometer Dairy.....	48
Back Bands.....	42	Glazing Putty.....	30	Pigeon Fountains.....	58	Thermometer Incuba-	
Bags.....	42	Grafting Wax.....	41	Pigeon Grit.....	50	tor and Brooder.....	60
Baskets.....	42	Grape Bags.....	42	Pigeon Nest.....	58	Tobacco Stems.....	33, 61
Batteries.....	50	Grass Catchers.....	46	Picks.....	39	Trap Nest.....	54
Beef Scrap.....	60	Grass Edger.....	47	Plt. Jr. Garden Tools.....	47	Tree Guard.....	44
Bird Lice Powder.....	61	Grass Hooks.....	41, 42	Plant Bed Cloth.....	42	Tree Labels.....	38
Bird Seed.....	61	Grass Shears.....	41	Plant Food.....	33	Tree Pruners.....	41
Bird Tonic.....	61	Grinding Mills.....	51	Plant Stakes.....	38	Trowels.....	40
Berry Presses.....	52	Grit and Shell Boxes.....	57	Plant Tubs.....	37	Turkey Remedies.....	61
Blood Meal.....	33	Hand Weeders.....	40	Plows.....	48	Twines.....	42
Bone Cutters.....	51	Hames.....	42	Plow Line.....	42	Watering Cans.....	40
Boot Protector.....	42	Harrows.....	48	Plow Repairs.....	48	Water Glass.....	59
Brood Coop.....	53, 54	Hatchets.....	40	Post Hole Digger.....	50	Water Truck Com-	
Brooder Lamps.....	58	Hedge Trimmers.....	41	Post Labels.....	38	bination.....	43
Brooders.....	52, 53	He-neta Grit.....	60	Poudrette.....	33	Weather Proof Sheet-	
Brooms.....	49	Hoes.....	39	Poultry Bit.....	59	ing.....	58
Budding Knives.....	41	Horse Hoes.....	48	Poultry Bone.....	60	Weed Killers.....	34, 40
Bulb Pans.....	38	Horse Lawn Boots.....	45	Poultry Books.....	62	Wheelbarrows.....	43
Bull Rings.....	49	Horse Mowers.....	45	Poultry Feeds.....	60, 61	Wheel Hoes.....	46, 47
Butter Bowls.....	48	Horse Cultivators.....	48	Poultry Feeders.....	56, 57, 58	Wine Presses.....	52
Butter Boxes.....	48	Rose.....	42	Poultry Fountains.....		Window Boxes.....	37, 38
Butter Color.....	48	Horticultural Books.....	20		56, 57, 58	Wire Baskets.....	ffi. 43
Butter Ladles.....	48	Hose Bands.....	42	Poultry Grit.....	60	Wire Fence.....	44, 55
Butter Paper.....	48	Hose Couplings.....	42	Poultry House.....	53	Wire Gates.....	44
Butter Prints.....	48	Hose Menders.....	42	Poultry Lice Powder.....	61	Wire Trellis.....	44
Butter Spades.....	48	Hose Nozzles.....	42	Poultry Markers.....	60	Seeds, Plants Bulbs,	
Butter Workers.....	49			Poultry Mustard.....	61	etc.....	28
						Wren Houses.....	61



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